

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

C Number:	C50646
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Female

ANIMAL ID: 1_001	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Cortical Adenoma	
		Necrosis, Focal	
Kidney	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
Mammary gland		Lactation	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus	Endometrium	Hyperplasia, Nos	
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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Date Report Requested: 10/26/2014
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First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_002	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Angiectasis	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Thyroid		C-Cell Adenoma	
Vagina		Cyst, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
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Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
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Date Report Requested: 10/26/2014
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First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_003	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Lung		Atelectasis	
Mammary gland		Fibrosarcoma	
Pituitary gland		Cyst, Nos	
		Hyperplasia, Focal	
Thyroid		C-Cell Adenoma	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_004	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Cyst, Nos Nephropathy	
	Tubule	Pigmentation, Nos Granuloma, Nos	
Liver		Cyst, Nos	
Pituitary gland		Dilatation, Nos	
Stomach	Fundal Gland		
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
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Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_005	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Focal Cellular Change	
		Granuloma, Nos	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
Thyroid		C-Cell Adenoma	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_006	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Angiectasis	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Pituitary gland		Adenoma, Nos	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_007	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Mineralization	
		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Cytoplasmic Change, Basophilic	
		Fibrosis, Cholangio	
		Granuloma, Nos	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Cyst, Nos	
Thyroid		Follicular-Cell Carcinoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_008	TRT#: 1	SEX: Female	DAY ON TEST:
	DOSE: 75 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
Liver		Fibrosis, Cholangio	
		Focal Cellular Change	
		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
Thyroid		Hyperplasia, C Cell	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH		-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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Date Report Requested: 10/26/2014
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First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_009	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule Tubule Tubule Centrilobular	Degeneration, Hyaline Necrosis, Focal Pigmentation, Nos Metamorphosis, Fatty	
Liver		Cyst, Parovarian	
Ovary		C-Cell Adenoma	
Thyroid		Leukemia, Nos	
Unspecified	Multiple Organs Nos		
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
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First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_010	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Caprolactam

CAS Number: 105-60-2

Date Report Requested: 10/26/2014

Time Report Requested: 12:33:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Brain		Perivascular Cuffing	
Eye	Retina	Atrophy, Nos	
		Cataract	
	Tunica Vascularosa	Inflammation, Chronic	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Lung		Hemorrhage	
Thyroid		Follicular-Cell Carcinoma	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_012	TRT#: 1	SEX: Female	DAY ON TEST:
	DOSE: 75 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Kidney	Papilla	Cyst, Nos	
		Mineralization	
		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
Thyroid		C-Cell Adenoma	
Uterus		Endometrial Stromal Polyp	
	Endometrium	Hyperplasia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_013	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Intestine Small	Mesentery Nos	Infarct, Nos	
Kidney		Mineralization	
		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_014	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Angiectasis	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Pituitary gland		Hyperplasia, Focal	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_015	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Nephropathy	
		Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Cystadenoma, Nos	
		Lactation	
Pituitary gland		Carcinoma, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_016	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Eye	Conjunctiva	Inflammation, Chronic	
	Cornea	Inflammation, Chronic	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Mammary gland		Fibroadenoma	
Thyroid		Follicular-Cell Adenoma	
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_017	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Endometrial Stromal Polyp	
	Endometrium	Fibrosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_018	TRT#: 1	SEX: Female	DAY ON TEST:
	DOSE: 75 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Adrenal gland		Lymphocytic Inflammatory Infiltrate	
Kidney	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
		Focal Cellular Change	
		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
Stomach	Fundal Gland	Dilatation, Nos	
PRIMARY CAUSE OF DEATH			
	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_019	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Lung		Atelectasis	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_020	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Tubule	Cortical Adenoma	
Kidney		Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
		Granuloma, Nos	
Mammary gland	Acinus	Lactation	
Pancreas		Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_021	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Lung		Pneumonia, Chronic Murine	
Mammary gland		Lactation	
Ovary		Cyst, Nos	
Pancreas	Acinus	Atrophy, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_022	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Pheochromocytoma	
Kidney	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_023	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Cytoplasmic Change, Basophilic	
		Granuloma, Nos	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Cyst, Nos	
Uterus		Endometrial Stromal Polyp	
	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_024	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Intestine Small	Mesentery Nos	Infarct, Nos	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Skin		Basal-Cell Tumor	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_025	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Eye		Cataract	
Intestine Small	Ileum, Ileum	Ulcer, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Hepatitis, Toxic	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Unspecified	Multiple Organs Nos	Depletion, Lymphoid	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_026	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
Pituitary gland		Hyperplasia, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_027	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
Pituitary gland		Cyst, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_028	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Blood vessel	Pulmonary Artery Nos	Mineralization	
Intestine Small	Mesentery Nos	Infarct, Nos	
Kidney	Tubule	Pigmentation, Nos	
Liver	Hepatic Lobule	Metamorphosis, Fatty	
Lung		Pneumonia, Chronic Murine	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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Date Report Requested: 10/26/2014
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First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_029	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Stomach	Fundal Gland	Dilatation, Nos	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_030	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Fibroadenoma	
		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_031	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Cyst, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_032	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Angiectasis	
Thyroid		Hyperplasia, C Cell	
Uterus		Leiomyosarcoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_033	TRT#: 1	SEX: Female	DAY ON TEST:
	DOSE: 75 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Kidney	Tubule	Nephropathy	
		Pigmentation, Nos	
Liver		Focal Cellular Change	
		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_034	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Pheochromocytoma	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Thyroid		C-Cell Adenoma	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_035	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Mineralization	
		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
		Cyst, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_036	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Eye	Conjunctiva	Inflammation, Acute/Chronic	
Kidney	Pelvis	Dilatation, Nos	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
		Cyst, Nos	
Trachea		Inflammation, Acute/Chronic	
Uterus		Prolapse	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_037	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Pheochromocytoma	
Heart	Myocardium Nos	Degeneration, Nos	
Mammary gland		Lactation	
Pituitary gland		Cyst, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_038	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_039	TRT#: 1	SEX: Female	DAY ON TEST:
	DOSE: 75 PPM	DISP: Moribund Sacrifice	HISTO:
OBSERVATIONS			
Kidney	Tubule	Nephropathy	
		Pigmentation, Nos	
Liver		Granuloma, Nos	
		Metamorphosis, Fatty	
Lung		Congestion, Nos	
		Hemorrhage	
Mammary gland	Endometrium	Lactation	
Uterus		Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_040	TRT#: 1	SEX: Female	DAY ON TEST:
	DOSE: 75 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Fibroadenoma	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Cyst, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH			
	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_041	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Lymph node	Mandibular Lymph Node	Squamous Cell Carcinoma, Metastatic	
Zymbal gland		Squamous Cell Carcinoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_042	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Lymph node	Mesenteric Lymph Node	Granuloma, Nos	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Cyst, Nos	
Thyroid		Hyperplasia, C Cell	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_043	TRT#: 1	SEX: Female	DAY ON TEST:
	DOSE: 75 PPM	DISP: Moribund Sacrifice	HISTO:
OBSERVATIONS			
Kidney		Degeneration, Hyaline	
	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_044	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Eye	Conjunctiva	Inflammation, Acute	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1_045	TRT#: 1	SEX: Female	DAY ON TEST:
	DOSE: 75 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_046	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Intestine Small	Mesentery Nos	Infarct, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_047	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Angiectasis	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_048	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Mammary gland		Fibroadenoma	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Hyperplasia, Focal	
Stomach	Fundal Gland	Dilatation, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Endometrial Stromal Polyp	
	Endometrium	Fibrosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_049	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Intestine Large	Colon	Nematodiasis	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Lymph node		Hemosiderosis	
Mammary gland		Adenoma, Nos	
		Lactation	
Pituitary gland		Adenoma, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_050	TRT#: 1 DOSE: 75 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule Tubule	Mineralization Pigmentation, Nos Granuloma, Nos Lactation Lymphocytic Inflammatory Infiltrate	
Liver			
Mammary gland			
Urinary bladder			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_001	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos Tubular-Cell Adenocarcinoma	
Liver		Fibrosis, Cholangio	
Mammary gland		Lactation	
		Papillary Adenocarcinoma	
Pituitary gland		Adenoma, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_002	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Mineralization	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Ovary		Cyst, Corpus Luteum	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_003	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
		Granuloma, Nos	
Mammary gland		Fibroadenoma	
		Lactation	
Pancreas	Acinus	Atrophy, Focal	
Pituitary gland		Adenoma, Nos	
Uterus		Endometrial Stromal Polyp	
	Endometrium	Fibrosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_004	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
Liver		Granuloma, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_005	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Clitoral gland		Carcinoma, Nos	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
		Hyperplasia, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_006	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Nephropathy Pigmentation, Nos Granuloma, Nos Lactation	
Liver		Atrophy, Nos	
Mammary gland	Acinus	Cyst, Nos Endometrial Stromal Polyp Fibrosing Adenosis	
Pancreas			
Pituitary gland			
Uterus			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_007	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Adrenal gland		Pheochromocytoma	
Kidney		Nephropathy	
Liver		Granuloma, Nos	
Thyroid		Hyperplasia, C Cell	
Uterus		Endometrial Stromal Polyp	
	Endometrium	Hyperplasia, Nos	
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_008	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_009	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Lung		Pneumonia, Chronic Murine	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Thyroid		C-Cell Adenoma	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_010	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Pheochromocytoma, Malignant	
Kidney		Nephropathy	
Liver		Granuloma, Nos	
Mammary gland		Fibroadenoma	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH		-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_011	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Liver	Bile Duct	Hyperplasia, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_012	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Natural Death	HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Lung		Congestion, Nos	
		Edema, Nos	
Pancreas	Acinus	Atrophy, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_013	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Moribund Sacrifice	HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
Mammary gland		Lactation	
		Papillary Cystadenoma, Nos	
Pituitary gland		Adenoma, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Caprolactam

CAS Number: 105-60-2

Date Report Requested: 10/26/2014

Time Report Requested: 12:33:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 37 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Focal Cellular Change
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_015	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Cyst, Nos	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_016	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Lung		Pneumonia, Chronic Murine	
Ovary		Cyst, Nos	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
Thyroid		Carcinoma, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_017	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
Uterus		Endometrial Stromal Polyp	
	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_018	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Stomach		Ulcer, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_019	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Liver		Granuloma, Nos	
Pituitary gland		Adenoma, Nos	
Uterus		Endometrial Stromal Polyp	
Endometrium		Hyperplasia, Nos	
PRIMARY CAUSE OF DEATH		-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_020	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Kidney	Pelvis	Papilloma, Nos	
	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
		Hyperplasia, Focal	
Thyroid		Atrophy, Focal	
		Hyperplasia, C Cell	
Uterus		Fibrosing Adenosis	
		Prolapse	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_021	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Nephropathy	
		Pigmentation, Nos	
Liver		Focal Cellular Change	
		Granuloma, Nos	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_022	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Eye		Cataract	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Cyst, Nos	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_023	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Eye	Retina	Atrophy, Nos	
		Cataract	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_024	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Angiectasis	
		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_025	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Kidney	Tubule	Nephropathy	
		Pigmentation, Nos	
Liver		Cytoplasmic Change, Basophilic	
		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_026	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Nephropathy Pigmentation, Nos Granuloma, Nos Inflammation, Chronic Focal Adenoma, Nos Lymphocytic Inflammatory Infiltrate	
Liver			
Pancreas			
Pituitary gland			
Urinary bladder			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_027	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Adrenal gland		Cortical Adenoma	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Lung		Inflammation, Interstitial	
Mammary gland		Lactation	
Pituitary gland		Carcinoma, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_028	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Adrenal gland		Pheochromocytoma	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_029	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Lung		Hemorrhage	
Mammary gland		Lactation	
Pituitary gland		Cyst, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_030	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Moribund Sacrifice	HISTO:
OBSERVATIONS			
Blood vessel	Pulmonary Artery Nos	Mineralization	
Kidney	Tubule	Mineralization	
	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_031	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_032	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS Unspecified	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_033	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Thyroid		Follicular-Cell Carcinoma	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_034	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Cortical Adenoma	
Eye		Cataract	
Kidney		Mineralization	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_035	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Pancreas	Acinus	Atrophy, Nos	
Thyroid		Hyperplasia, C Cell	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_036	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
	Islets	Islet-Cell Adenoma	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_037	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS Intestine Small Kidney Liver Pituitary gland	Mesentery Nos Tubule	Necrosis, Hemorrhagic Pigmentation, Nos Cytoplasmic Change, Basophilic Adenoma, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_038	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Pituitary gland		Adenoma, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_039	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_040	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Cystadenoma, Nos	
Pituitary gland		Adenoma, Nos	
Thyroid		C-Cell Adenoma	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_041	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Adrenal gland		Pheochromocytoma	
Heart	Myocardium Nos	Degeneration, Nos	
Intestine Small	Mesentery Nos	Infarct, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_042	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Heart	Myocardium Nos	Degeneration, Nos	
Intestine Small	Mesentery Nos	Infarct, Nos	
Kidney	Tubule	Pigmentation, Nos	
Mammary gland		Adenoma, Nos	
		Lactation	
Pituitary gland		Cyst, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_043	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Eye	Retina	Atrophy, Nos	
		Cataract	
		Inflammation, Chronic	
Kidney	Tubule	Mineralization	
		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Cytoplasmic Change, Basophilic	
		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
Thymus		Cyst, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Endometrial Stromal Polyp	
		Hyperplasia, Stromal	
PRIMARY CAUSE OF DEATH			
	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_044	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
Thyroid		C-Cell Adenoma	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_045	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Blood vessel	Pulmonary Artery Nos	Mineralization	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Mineralization	
		Nephropathy	
	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_046	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Kidney	Tubule	Nephropathy	
		Pigmentation, Nos	
Liver		Focal Cellular Change	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Thyroid		Hyperplasia, C Cell	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH			
	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_047	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_048	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Adrenal gland		Cortical Adenoma	
		Pheochromocytoma	
Eye	Conjunctiva	Inflammation, Chronic	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Thyroid		C-Cell Adenoma	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH			
	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_049	TRT#: 2	SEX: Female	DAY ON TEST:
	DOSE: 37 PPM	DISP: Scheduled Sacrifice	HISTO:
OBSERVATIONS			
Eye	Retina	Atrophy, Nos	
		Cataract	
		Inflammation, Chronic	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Mineralization	
	Tubule	Pigmentation, Nos	
Liver		Cytoplasmic Change, Basophilic	
		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
		Cyst, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2_050	TRT#: 2 DOSE: 37 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Clitoral gland		Squamous Cell Carcinoma	
Kidney	Tubule	Mineralization	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Fibroadenoma	
		Lactation	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_001	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Mineralization	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Cyst, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_002	TRT#: 3 DOSE: 0	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
Mammary gland		Lactation	
Pituitary gland		Angiectasis	
Unspecified	Adipose Tissue	Inflammation, Focal	
	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_003	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
Mammary gland		Lactation	
Pituitary gland		Angiectasis	
Stomach		Cyst, Epidermal Inclusion	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH		-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_004	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Heart	Myocardium Nos	Degeneration, Nos	
Liver		Cytoplasmic Change, Basophilic	
		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Angiectasis	
		Cyst, Nos	
Unspecified		Fibroma	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_006	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Liver		Cytoplasmic Change, Basophilic Granuloma, Nos	
Pituitary gland		Adenoma, Nos	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_007	TRT#: 3 DOSE: 0	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Undifferentiated Carcinoma, Metastatic	
Brain		Undifferentiated Carcinoma, Metastatic	
Kidney	Tubule	Pigmentation, Nos	
Liver		Undifferentiated Carcinoma, Metastatic	
Lung		Undifferentiated Carcinoma, Metastatic	
Pancreas		Undifferentiated Carcinoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_008	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Pheochromocytoma	
Kidney	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
Mammary gland		Lactation	
Spleen		Hematopoiesis	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_009	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Hyperplasia, Focal	
Pituitary gland		Adenoma, Nos	
Thyroid		Hyperplasia, C Cell	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_010	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Intestine Small	Jejunum	Adenocarcinoma, Nos	
	Jejunum	Sarcoma, Nos	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Cyst, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_011	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Nephropathy Pigmentation, Nos Fibrosis, Cholangio Granuloma, Nos	
Liver		Atrophy, Nos Adenoma, Nos Hyperplasia, Lymphoid Endometrial Stromal Polyp Fibrosing Adenosis	
Pancreas	Acinus		
Pituitary gland			
Thymus			
Uterus			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Caprolactam

CAS Number: 105-60-2

Date Report Requested: 10/26/2014

Time Report Requested: 12:33:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

DOSE: 0

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Tubule

Pigmentation, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Caprolactam

CAS Number: 105-60-2

Date Report Requested: 10/26/2014

Time Report Requested: 12:33:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013	TRT#: 3 DOSE: 0	SEX: Female DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_014	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
Mammary gland		Lactation	
Ovary		Cyst, Nos	
Pituitary gland		Adenoma, Nos	
Thyroid		Hyperplasia, C Cell	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_015	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Intestine Large	Colon	Nematodiasis	
Kidney	Tubule	Pigmentation, Nos	
Lung		Hemorrhage	
Mammary gland		Fibroadenoma	
		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_016	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Cortical Adenoma	
Clitoral gland		Carcinoma, Nos	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Galactoceles	
Pituitary gland		Adenoma, Nos	
		Cyst, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Cyst, Hemorrhagic	
	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_017	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
Mammary gland		Fibroadenoma	
		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
Thyroid		Hyperplasia, C Cell	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_018	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
		Papillary Adenocarcinoma	
Pancreas	Acinus	Atrophy, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_019	TRT#: 3 DOSE: 0	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_020	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
Spleen		Granuloma, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_021	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Liver		Fibrosis, Cholangio	
		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus	Endometrium	Fibrosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_022	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Fibroadenoma	
		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_023	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
Mammary gland		Fibroadenoma	
		Lactation	
Thyroid		Hyperplasia, C Cell	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_024	TRT#: 3 DOSE: 0	SEX: Female DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Intestine Large	Colon	Nematodiasis	
Intestine Small	Duodenum	Inflammation, Necrotizing	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Necrosis, Focal	
Lung		Congestion, Nos	
Mammary gland		Fibroadenoma	
Ovary		Inflammation, Granulomatous	
Pituitary gland		Adenoma, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_025	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Lung		Inflammation, Interstitial	
Mammary gland		Adenoma, Nos	
		Lactation	
Thyroid		Hyperplasia, C Cell	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_026	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Pituitary gland		Adenoma, Nos	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_027	TRT#: 3 DOSE: 0	SEX: Female DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Metamorphosis, Fatty	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_028	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Kidney		Nephropathy	
Liver		Granuloma, Nos	
Pituitary gland		Cyst, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_029	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Mineralization	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Adenoma, Nos	
Pituitary gland		Cyst, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_030	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Thyroid		Hyperplasia, C Cell	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_031	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Blood vessel	Pulmonary Vein Nos	Mineralization	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
		Papillary Adenocarcinoma	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Cyst, Nos	
Spleen		Inflammation, Granulomatous	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_032	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Clitoral gland		Inflammation, Acute/Chronic	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Cyst, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_033	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Focal Cellular Change	
		Granuloma, Nos	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
		Cyst, Nos	
Thyroid		Hyperplasia, C Cell	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_034	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Tubule	Cortical Adenoma	
Kidney		Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Cystadenoma, Nos	
		Papillary Adenocarcinoma	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_035	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Focal Cellular Change	
		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Carcinoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_036	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Cortical Adenoma	
Intestine Large	Colon	Hyperplasia, Lymphoid	
Intestine Small	Mesentery Nos	Infarct, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
		Granuloma, Nos	
Mammary gland		Lactation	
Thymus		Cyst, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_037	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Mineralization	
		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_038	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Mineralization	
		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Pancreas		Periarteritis	
Pituitary gland		Cyst, Nos	
Thyroid		C-Cell Adenoma	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_039	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Angiectasis	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_040	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
		Focal Cellular Change	
		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Carcinoma, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_041	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Cortical Adenoma	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Parathyroid gland		Adenoma, Nos	
Pituitary gland		Cyst, Nos	
Thyroid		C-Cell Adenoma	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_042	TRT#: 3 DOSE: 0	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Brain	Meninges	Meningioma	
Liver		Inflammation, Granulomatous Focal	
Lymph node	Mesenteric Lymph Node	Foreign Body, Nos	
	Mesenteric Lymph Node	Lymphadenopathy	
Pancreas		Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
Thyroid		Hyperplasia, C Cell	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_043	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus	Endometrium	Fibrosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_044	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Cortex Nos	Focal Cellular Change	
Heart	Myocardium Nos	Degeneration, Nos	
Kidney		Cyst, Nos	
		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pituitary gland		Adenoma, Nos	
Uterus		Endometrial Stromal Polyp	
		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_045	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Heart	Myocardium Nos	Degeneration, Nos	
Kidney	Tubule	Pigmentation, Nos	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Nos	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_046	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Pheochromocytoma	
Bone marrow		Inflammation, Granulomatous Focal	
Clitoral gland		Adenoma, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Lactation	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Fibrosing Adenosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_047	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland		Angiectasis	
Clitoral gland		Abscess, Nos	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Fibrosis, Cholangio	
Mammary gland		Lactation	
Thyroid		Hyperplasia, C Cell	
Uterus	Endometrium	Fibrosis	
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_048	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Clitoral gland		Squamous Cell Carcinoma	
Kidney		Nephropathy	
	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
	Bile Duct	Inflammation, Nos	
Pancreas	Acinus	Atrophy, Nos	
Pituitary gland		Adenoma, Nos	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus		Endometrial Stromal Polyp	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3_049	TRT#: 3 DOSE: 0	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney	Tubule	Pigmentation, Nos	
Liver		Granuloma, Nos	
Mammary gland		Adenoma, Nos	
		Lactation	
Urinary bladder		Lymphocytic Inflammatory Infiltrate	
Uterus	Endometrium	Fibrosis	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C50646
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Caprolactam
CAS Number: 105-60-2

Date Report Requested: 10/26/2014
Time Report Requested: 12:33:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_050	TRT#: 3 DOSE: 0	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Blood vessel	Pulmonary Artery Nos	Mineralization	
Kidney	Tubule	Pigmentation, Nos	
Liver		Cytoplasmic Change, Basophilic	
Lung		Papillary Adenocarcinoma, Metastatic	
Mammary gland		Papillary Adenocarcinoma	
Stomach	Mucosa	Cyst, Nos	
Uterus	Endometrium	Hyperplasia, Cystic	
PRIMARY CAUSE OF DEATH	-		

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE