C Number:	C55301B
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

F 344/N Rat MALE	0 PPM	50 PPM	100 PPM	250 PPM	500 PPM	1000 PPM
Disposition Summary						
Animals Initially In Study	**10**	**10**	**10**	**10**	**10**	**10**
Early Deaths						
Survivors						
Terminal Sacrifice	**10**	**10**	**10**	**10**	**10**	**10**
Animals Examined Microscopically	**10**	**10**	**10**	**10**	**10**	**10**
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Centrilobular, Degeneration					9 (90%)	9 (90%)
Centrilobular, Necrosis						2 (20%)
Clear Cell Focus		1 (10%)				2 (20%)
Hepatodiaphragmatic Nodule						1 (10%)
Hypertrophy					9 (90%)	9 (90%)
Inflammation, Chronic	1 (10%)	1 (10%)	1 (10%)	1 (10%)	7 (70%)	9 (90%)
Pigmentation					6 (60%)	10 (100%)
Mesentery	(0)	(0)	(0)	(1)	(0)	(0)
Fat, Necrosis				1 (100%)		
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Acinus, Atrophy	1 (10%)					2 (20%)
Salivary Glands	(9)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(1)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(1)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 55301-02
Test Type: 90-DAY
Species/Strain: Rat/F 344/N

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Pyridine
CAS Number: 110-86-1

Date Report Requested: 10/20/2014
Time Report Requested: 06:38:39
First Dose M/F: NA / NA
Lab: TSI MASON

F 344/N Rat MALE	0 PPM	50 PPM	100 PPM	250 PPM	500 PPM	1000 PPM
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	9 (90%)					5 (50%)
Mineralization						2 (20%)
ENDOCRINE SYSTEM						
Adrenal Gland, Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Gland, Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(9)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(8)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Prostate	(10)	(0)	(2)	(0)	(1)	(10)
Dilatation			2 (100%)		1 (100%)	
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
Seminif Tub, Mineralization	1 (10%)					
HEMATOPOIETIC SYSTEM						
Blood	(1)	(0)	(0)	(0)	(0)	(0)
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(2)
Pancreatic, Angiectasis						2 (100%)
Pancreatic, Infiltration Cellular, Histiocyte						1 (50%)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

F 344/N Rat MALE	0 PPM	50 PPM	100 PPM	250 PPM	500 PPM	1000 PPM
Angiectasis						1 (10%)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Cyst						1 (10%)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(9)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(9)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage						1 (10%)
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(1)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Casts			3 (30%)	3 (30%)	9 (90%)	9 (90%)
Casts Granular					3 (30%)	8 (80%)
Inflammation, Chronic				2 (20%)	4 (40%)	9 (90%)
Mineralization	2 (20%)	2 (20%)	2 (20%)	6 (60%)	9 (90%)	10 (100%)
Renal Tubule, Degeneration, Hyaline	1 (10%)		1 (10%)	1 (10%)	3 (30%)	7 (70%)
Renal Tubule, Regeneration	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)

a - Number of animals examined microscopically at site and number of animals with lesion

F 344/N Rat MALE	0 PPM	50 PPM	100 PPM	250 PPM	500 PPM	1000 PPM
Urinary Bladder	(10)	(3)	(2)	(2)	(1)	(10)
Calculus Gross Observation		3 (100%)	1 (50%)	2 (100%)	1 (100%)	1 (10%)
Calculus Micro Observation Only		3 (100%)	1 (50%)	2 (100%)	1 (100%)	1 (10%)

END OF MALE DATA

a - Number of animals examined microscopically at site and number of animals with lesion

F 344/N Rat FEMALE	0 PPM	50 PPM	100 PPM	250 PPM	500 PPM	1000 PPM
Disposition Summary						
Animals Initially In Study	**10**	**10**	**10**	**10**	**10**	**10**
Early Deaths						
Natural Death						**2**
Survivors						
Terminal Sacrifice	**10**	**10**	**10**	**10**	**10**	**8**
Animals Examined Microscopically	**10**	**10**	**10**	**10**	**10**	**10**
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	1 (10%)					
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(9)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(8)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Centrilobular, Degeneration					9 (90%)	9 (90%)
Centrilobular, Necrosis						2 (20%)
Hepatodiaphragmatic Nodule	3 (30%)			1 (10%)	2 (20%)	
Hypertrophy					9 (90%)	8 (80%)
Inflammation, Chronic					1 (10%)	4 (40%)
Pigmentation				7 (70%)	7 (70%)	8 (80%)
Mesentery	(1)	(0)	(0)	(0)	(0)	(0)
Fat, Necrosis	1 (100%)					
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(9)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(9)

a - Number of animals examined microscopically at site and number of animals with lesion

F 344/N Rat FEMALE	0 PPM	50 PPM	100 PPM	250 PPM	500 PPM	1000 PPM
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	5 (50%)					6 (60%)
ENDOCRINE SYSTEM						
Adrenal Gland, Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Gland, Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pars Distalis, Cyst	1 (10%)					
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Dilatation	2 (20%)					
Ovary	(10)	(0)	(1)	(0)	(0)	(10)
Cyst			1 (100%)			
Uterus	(10)	(0)	(0)	(2)	(0)	(10)
Dilatation				2 (100%)		
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Necrosis						1 (10%)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(1)
Lumbar, Hyperplasia						1 (100%)
Mediastinal, Congestion						1 (100%)
Renal, Infiltration Cellular, Histiocyte						1 (100%)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(9)

a - Number of animals examined microscopically at site and number of animals with lesion

F 344/N Rat FEMALE	0 PPM	50 PPM	100 PPM	250 PPM	500 PPM	1000 PPM
Infiltration Cellular, Histiocyte						1 (11%)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Hyperplasia						2 (20%)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage						1 (10%)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(2)	(0)	(0)	(10)
Edema						2 (20%)
Pleura, Congestion			2 (100%)			
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Casts						2 (20%)
Cyst	1 (10%)					
Mineralization	10 (100%)					10 (100%)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(9)

a - Number of animals examined microscopically at site and number of animals with lesion

F 344/N Rat FEMALE	0 PPM	50 PPM	100 PPM	250 PPM	500 PPM	1000 PPM

** END OF REPORT **

a - Number of animals examined microscopically at site and number of animals with lesion