C Number:	C92007
Lock Date:	02/04/1999
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	0PPM	10PPM	5PPM	2.5PPM
Disposition Summary				
Animals Initially In Study	**10**	**10**	**10**	**10**
Scheduled Sacrifice	**10**	**10**	**10**	**10**
Early Deaths				
Survivors				
Animals Examined Microscopically	**10**	**10**	**10**	**10**
ALIMENTARY SYSTEM				
Liver	(10)	(10)	(10)	(10)
Centrilobular, Vacuolization Cytoplasmic	2 (20%)	9 (90%)	8 (80%)	5 (50%)
Hematopoietic Cell Proliferation, Focal			1 (10%)	
Infiltration Cellular, Mononuclear Cl, Focal	1 (10%)	3 (30%)		5 (50%)
Infiltration Cellular, Mononuclear Cl, Multifocal	4 (40%)	3 (30%)	5 (50%)	1 (10%)
CARDIOVASCULAR SYSTEM				
Heart	(10)	(10)	(0)	(0)
Cardiomyopathy, Focal	4 (40%)	2 (20%)		
Cardiomyopathy, Multifocal		2 (20%)		
ENDOCRINE SYSTEM				
None				
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Epididymis	(8)	(6)	(0)	(0)
Perivascular, Infiltration Cellular, Mononuclear Cl, Focal	1 (13%)	2 (33%)		
Perivascular, Infiltration Cellular, Mononuclear Cl, Multifocal	1 (13%)			
Testes	(10)	(10)	(0)	(0)

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

F 344/N Rat MALE	0PPM	10PPM	5PPM	2.5PPM
HEMATOPOIETIC SYSTEM				
Bone Marrow	(10)	(10)	(0)	(0)
Spleen	(10)	(10)	(0)	(0)
INTEGUMENTARY SYSTEM				
None				
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
Brain	(10)	(10)	(0)	(0)
Thalamus, Mineralization, Focal		1 (10%)		
RESPIRATORY SYSTEM				
Larynx	(10)	(10)	(0)	(0)
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Focal	1 (10%)			
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Multifocal	3 (30%)	8 (80%)		
Lung	(10)	(10)	(0)	(0)
Alveolus, Infiltration Cellular, Histiocyte, Focal		1 (10%)		
Hemorrhage, Acute, Focal	2 (20%)	2 (20%)		
Hemorrhage, Multifocal, Acute	1 (10%)	5 (50%)		
Nose	(10)	(10)	(10)	(10)
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Focal		2 (20%)		
Nasolacrim Dct, Infiltration Cellular, Mononuclear Cl, Focal	2 (20%)	1 (10%)	1 (10%)	2 (20%)
Nasolacrim Dct, Infiltration Cellular, Mononuclear Cl, Multifocal	4 (40%)	3 (30%)	6 (60%)	5 (50%)
Nasolacrim Dct, Inflammation, Suppurative, Acute, Focal	1 (10%)			

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

F 344/N Rat MALE	0PPM	10PPM	5PPM	2.5PPM
Respirat Epith, Septum, Hyperplasia, Multifocal			2 (20%)	
Respirat Epith, Turbinate, Hyperplasia, Multifocal		10 (100%)	9 (90%)	9 (90%)
Respirat Epith, Turbinate, Metaplasia, Squamous, Multifocal		7 (70%)	8 (80%)	2 (20%)
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
Kidney	(10)	(10)	(0)	(0)
Interstitium, Infiltration Cellular, Mononuclear Cl, Focal		1 (10%)		
Renal Tubule, Accumulation, Hyaline Droplet, Multifocal		1 (10%)		
Renal Tubule, Hyaline Droplet, Multifocal		1 (10%)		
Renal Tubule, Regeneration, Focal	1 (10%)	1 (10%)		
Renal Tubule, Regeneration, Multifocal	8 (80%)	8 (80%)		
Urinary Bladder	(10)	(10)	(0)	(0)
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Focal		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	0PPM	10PPM	5PPM	2.5PPM
Disposition Summary				
Animals Initially In Study	**10**	**10**	**10**	**10**
Scheduled Sacrifice	**10**	**10**	**10**	**10**
Early Deaths				
Survivors				
Animals Examined Microscopically	**10**	**10**	**10**	**10**
ALIMENTARY SYSTEM				
Liver	(10)	(10)	(10)	(10)
Bile Duct, Hyperplasia, Multifocal				1 (10%)
Infiltration Cellular, Mononuclear Cl, Focal		1 (10%)	2 (20%)	1 (10%)
Infiltration Cellular, Mononuclear Cl, Multifocal	8 (80%)	5 (50%)	5 (50%)	5 (50%)
CARDIOVASCULAR SYSTEM				
Heart	(10)	(10)	(0)	(0)
Cardiomyopathy, Focal	3 (30%)	2 (20%)		
Cardiomyopathy, Multifocal	1 (10%)	3 (30%)		
ENDOCRINE SYSTEM				
None				
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Ovary	(10)	(10)	(0)	(0)
Uterus	(10)	(10)	(0)	(0)
Dilatation	2 (20%)	2 (20%)		
HEMATOPOIETIC SYSTEM				
Bone Marrow	(10)	(10)	(0)	(0)
Femoral, Inflammation, Multifocal, Granulomatous	1 (10%)			

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

F 344/N Rat FEMALE	0PPM	10PPM	5PPM	2.5PPM
Spleen	(10)	(10)	(0)	(0)
INTEGUMENTARY SYSTEM				
None				
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
Brain	(10)	(10)	(0)	(0)
RESPIRATORY SYSTEM				
Larynx	(10)	(10)	(0)	(0)
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Focal	1 (10%)	1 (10%)		
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Multifocal	9 (90%)	9 (90%)		
Lamina Propria, Inflammation, Multifocal, Suppurative, Acute	1 (10%)			
Lung	(10)	(10)	(0)	(0)
Hemorrhage, Acute, Focal	3 (30%)	1 (10%)		
Hemorrhage, Multifocal, Acute	1 (10%)	3 (30%)		
Nose	(10)	(10)	(10)	(10)
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Multifocal	1 (10%)			1 (10%)
Nasolacrim Dct, Infiltration Cellular, Mononuclear Cl, Focal	1 (10%)		2 (20%)	2 (20%)
Nasolacrim Dct, Infiltration Cellular, Mononuclear Cl, Multifocal	5 (50%)	3 (30%)	4 (40%)	3 (30%)
Respirat Epith, Septum, Hyperplasia, Multifocal		6 (60%)		
Respirat Epith, Septum, Metaplasia, Squamous, Multifocal		5 (50%)		
Respirat Epith, Turbinate, Hyperplasia, Multifocal		10 (100%)	10 (100%)	10 (100%)

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

F 344/N Rat FEMALE	0PPM	10PPM	5PPM	2.5PPM
Respirat Epith, Turbinate, Metaplasia, Squamous, Multifocal		10 (100%)	5 (50%)	
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
Kidney	(10)	(10)	(0)	(0)
Collect Tub, Mineralization, Focal		1 (10%)		
Collect Tub, Mineralization, Multifocal	6 (60%)	4 (40%)		
Interstitium, Infiltration Cellular, Mononuclear Cl, Focal	1 (10%)			
Renal Tubule, Regeneration, Focal		2 (20%)		
Renal Tubule, Regeneration, Multifocal	1 (10%)			
Urinary Bladder	(9)	(10)	(0)	(0)

** END OF REPORT **

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