F2_R2

C Number:	C93025
Lock Date:	03/22/2006
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	ALL
Removal Date Range:	ALL
Treatment Groups:	Include ALL
Study Gender:	Both
TDMSE Version:	2.1.0

DAY ON TEST	0628	0730	0642	0729	0684	0668	0730	0647	0591	0712	0729	0586	0670	0600	0729	0586	0729	0649	0730	0600	0605	0701	0729	0729	0557
FISCHER 344 RATS MALE ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025
CONTROL																									**males (cont...)**
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus																									
Basophilic Focus, Multiple															X		X			X					
Clear Cell Focus		2	1																						
Clear Cell Focus, Multiple				2							1							2							
Degeneration, Cystic																						1			
Hepatodiaphragmatic Nodule						4												4				4			
Necrosis					4								2												
Vacuolization Cytoplasmic									3																
Bile Duct, Hyperplasia	1			1			3			2					1	1		3	1		1	2	2		
Hepatocyte, Regeneration							4																		

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FISCHER 344 RATS MALE
CONTROL
males (cont...)

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ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
Periportal, Inflammation, Chronic			1								2														
Mesentery		+	+	+					+		+				+		+	+			+				
Hemorrhage																									
Necrosis		2	1	2					2		2				3		2	3			2				
Fat, Hemorrhage																									
Oral Mucosa											+														
Hyperplasia, Squamous											4														
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst											1														
Acinus, Atrophy									3		2	1			4			2	3						
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Squamous			4																						
Inflammation, Suppurative									4																
Ulcer									4																
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																									
Tongue															+										
Epithelium, Hyperplasia															2										
Tooth											+									+					

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CONTROL																									**males (cont...)**
Malformation											4														
Epithelium Alveolus, Hyperplasia											4														
Peridontal Tissue, Inflammation																									
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	1	1	1	1	2		1	2	1	1	1	2	1		1		1		1			1	3	1	
Atrium, Thrombosis								4																	
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									
Hyperplasia				2						1					1			2							
Vacuolization Cytoplasmic		2					1		3				1				1		1			1	1		3
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				1		2		3		4							1		2			1	3	1	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst						4																			
Hyperplasia										4				2											

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**males (cont...)**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		1	2	1				2			4		1		1		1			1			4	3	1
Follicle, Cyst						2																			
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Penis								+																	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Hyperplasia																3									
Inflammation, Suppurative																									
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									
Inflammation, Suppurative	2	1	2	1	1	1		2	2	1	3	1	2			1			1	1	1	2		2	1
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Artery, Inflammation, Chronic Active																									

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**males (cont...)**
Germinal Epithelium, Atrophy				2	3	2	2	1	4	2	2			2			2		2	2	2	2	2	4	
Interstitial Cell, Hyperplasia		4													3										
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Reticulum Cell																									
Lymph Node						+	+	+		+								+					+		+
Lymph Node, Bronchial	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M
Angiectasis																									
Ectasia																									
Inflammation, Chronic																									
Inflammation, Chronic Active																				3					
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mediastinal	+	+	+	M	+	M	+	M	M	M	+	M	+	+	+	M	M	M	M	+	M	+	M	+	+
Ectasia																									
Hemorrhage					2																				
Inflammation, Chronic																									
Inflammation, Chronic Active																				3					
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ectasia																									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**males (cont...)**
Accessory Spleen																				2					
Hematopoietic Cell Proliferation																									
Hemorrhage																									
Hyperplasia, Lymphoid					4																				
Necrosis										4															4
Thymus	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	M
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele								4																	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion												X	4												
Inflammation, Chronic																									
Ulcer					4								3												
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression			3		4				3								2	3							3

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FISCHER 344 RATS MALE
CONTROL
males (cont...)

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ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
Hemorrhage								2																	2
Cerebrum, Mineralization														1											

RESPIRATORY SYSTEM

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body			4																				4	4	
Inflammation, Suppurative			1																				2	1	
Inflammation, Chronic										1															
Respiratory Epithelium, Hyperplasia										1															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion							3																		
Hemorrhage		2	1					1									1								
Inflammation, Chronic						1	3																		2
Alveolar Epithelium, Hyperplasia		1				4										1	1			1			3		2
Alveolar Epithelium, Metaplasia, Squamous						4																			
Alveolar Epithelium, Metaplasia, Mucous						3																			
Alveolus, Infiltration Cellular, Histiocyte				1		2	3		2		1								2	1					
Alveolus, Proteinosis						3																			
Bronchiole, Glands, Degeneration, Mucoid																			1						
Bronchiole, Goblet Cell, Hyperplasia						3																			
Interstitium, Fibrosis																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body									1		3						3	3						3	
Inflammation, Suppurative									1		1						2	2							
Inflammation, Chronic																									

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**males (cont...)**
Inflammation, Chronic Active																									
Nasolacrimal Duct, Inflammation, Suppurative																									
Olfactory Epithelium, Degeneration																									
Olfactory Epithelium, Degeneration, Hyaline																									
Respiratory Epithelium, Degeneration, Hyaline																					1				
Respiratory Epithelium, Hyperplasia																	2								
Respiratory Epithelium, Inflammation, Chronic													1						1						
Pleura							+																		
Fibrosis							2																		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy														4											
Inflammation, Chronic														3											
Anterior Chamber, Inflammation, Suppurative																									
Cornea, Mineralization																									
Lens, Cataract			3				1										3					2	1		
Retina, Atrophy																									
Sclera, Metaplasia, Osseous																						2			

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FISCHER 344 RATS MALE
CONTROL
males (cont...)

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ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy, Chronic	3	3	3	3	4	3	4	1	4	3	4		2	1	1	1	4	2	4	1	1	4	3	3	1
Cortex, Renal Tubule, Accumulation, Hyaline Droplet																									
Cortex, Renal Tubule, Hyperplasia							2																		
Cortex, Renal Tubule, Pigmentation										4															
Papilla, Mineralization	1	1	1				1											1				1	2		
Pelvis, Transitional Epithelium, Hyperplasia																							1		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Calculus Micro Observation Only											X														
Inflammation, Chronic																									

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DAY ON TEST	071 8	072 6	064 2	072 9	072 9	067 8	072 9	072 9	073 0	064 7	072 9	068 2	072 9	056 3	037 2	072 9	072 9	064 8	064 7	056 3	072 9	053 0	066 2	072 9	059 3	
FISCHER 344 RATS MALE ANIMAL ID	000 026	000 027	000 028	000 029	000 030	000 031	000 032	000 033	000 034	000 035	000 036	000 037	000 038	000 039	000 040	000 041	000 042	000 043	000 044	000 045	000 046	000 047	000 048	000 049	000 050	*** TOTALS**
CONTROL																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	**46**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**49**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**49**
Intestine Small, Ileum	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	A	**44**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	A	**45**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Basophilic Focus																				1	1					**2 1.0**
Basophilic Focus, Multiple			1																							**4 1.0**
Clear Cell Focus											1				1		1									**5 1.2**
Clear Cell Focus, Multiple			1		2																1			2		**7 1.6**
Degeneration, Cystic																										**1 1.0**
Hepatodiaphragmatic Nodule												4														**4 4.0**
Necrosis												4														**3 3.3**
Vacuolization Cytoplasmic										4					2					2						**4 2.8**
Bile Duct, Hyperplasia		1															1	2	2							**15 1.6**
Hepatocyte, Regeneration																		4								**2 4.0**

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FISCHER 344 RATS MALE
CONTROL

DAY ON TEST	0718	0726	0642	0729	0729	0678	0729	0729	0730	0647	0729	0682	0729	0563	0372	0729	0729	0648	0647	0563	0729	0530	0662	0729	0593	
ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
Periportal, Inflammation, Chronic																	1									**3 1.3**
Mesentery	+	+					+	+	+											+						**15**
Hemorrhage																				2						**1 2.0**
Necrosis	1							2	3																	**12 2.1**
Fat, Hemorrhage		1					3																			**2 2.0**
Oral Mucosa																										**1**
Hyperplasia, Squamous																										**1 4.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1 1.0**
Acinus, Atrophy						2	2					3														**9 2.4**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Squamous										3																**2 3.5**
Inflammation, Suppurative										3																**2 3.5**
Ulcer	3									4		4			4											**5 3.8**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer												4														**1 4.0**
Tongue																										**1**
Epithelium, Hyperplasia																										**1 2.0**
Tooth									+																	**3**

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DAY ON TEST	0718	0726	0642	0729	0729	0678	0729	0729	0730	0647	0729	0682	0729	0563	0372	0729	0729	0648	0647	0563	0729	0530	0662	0729	0593	
FISCHER 344 RATS MALE ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
CONTROL																										
Malformation									3																	**2 3.5**
Epithelium Alveolus, Hyperplasia																										**1 4.0**
Peridontal Tissue, Inflammation									2																	**1 2.0**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2		1	2		1	1	1	1		1	2		1		1	2			2	1		2	2	2	**35 1.4**
Atrium, Thrombosis																										**1 4.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage												2														**1 2.0**
Hyperplasia	2						4		1	1			1	1		1	4				1					**13 1.7**
Vacuolization Cytoplasmic	1			1						1			1			1	2		1				1			**17 1.4**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia		1		1					2	2						2						1			4	**16 1.9**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst							4																			**2 4.0**
Hyperplasia		4	3		4							2							3							**7 3.1**

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FISCHER 344 RATS MALE ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
CONTROL																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	1		1	1	1		2	1					1	1		4				1		4				**23 1.7**
Follicle, Cyst																										**1 2.0**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Penis																										**1**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																					2					**1 2.0**
Hyperplasia																					3					**2 3.0**
Inflammation, Suppurative				2																						**1 2.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia		1																			1					**2 1.0**
Inflammation, Suppurative	2	1		2	1	1	1	1	2		1	1		1	1	2	2	2	2	2	1	1		1	1	**40 1.4**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Artery, Inflammation, Chronic Active	2																									**1 2.0**

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DAY ON TEST	071 8	072 6	064 2	072 9	072 9	067 8	072 9	072 9	073 0	064 7	072 9	068 2	072 9	056 3	037 2	072 9	072 9	064 8	064 7	056 3	072 9	053 0	066 2	072 9	059 3	
FISCHER 344 RATS MALE ANIMAL ID	000 26	000 27	000 28	000 29	000 30	000 31	000 32	000 33	000 34	000 35	000 36	000 37	000 38	000 39	000 40	000 41	000 42	000 43	000 44	000 45	000 46	000 47	000 48	000 49	000 50	*** TOTALS**
CONTROL																										
Germinal Epithelium, Atrophy	2	4	2	2	2		1	2	2		2		2			3		2	1		3			2	2	**32 2.2**
Interstitial Cell, Hyperplasia							1						2													**4 2.5**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Reticulum Cell			3											3												**2 3.0**
Lymph Node		+																								**8**
Lymph Node, Bronchial	M	M	M	+	M	M	M	M	+	+	M	M	M	M	M	M	M	+	M	M	M	M	M	M	+	**7**
Angiectasis									3																	**1 3.0**
Ectasia										4																**1 4.0**
Inflammation, Chronic				4																						**1 4.0**
Inflammation, Chronic Active																										**1 3.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	M	+	M	+	M	+	+	+	+	+	+	M	+	+	+	M	+	**33**
Ectasia										4																**1 4.0**
Hemorrhage																										**1 2.0**
Inflammation, Chronic				4																						**1 4.0**
Inflammation, Chronic Active																										**1 3.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ectasia										2																**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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CONTROL																										
Accessory Spleen																									X	**2 2.0**
Hematopoietic Cell Proliferation			4																							**1 4.0**
Hemorrhage		4																							4	**2 4.0**
Hyperplasia, Lymphoid																										**1 4.0**
Necrosis																										**2 4.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Galactocele								4																		**2 4.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion													4	4												**4 4.0**
Inflammation, Chronic				3																						**1 3.0**
Ulcer				4										4					4							**5 3.8**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression	3					1	2	3		3										4			3			**13 2.8**

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CONTROL																										
Hemorrhage						1												4				3	3			**6 2.5**
Cerebrum, Mineralization																										**1 1.0**
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body						4	4				4															**6 4.0**
Inflammation, Suppurative						1					1															**5 1.2**
Inflammation, Chronic																										**1 1.0**
Respiratory Epithelium, Hyperplasia																										**1 1.0**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Congestion																										**1 3.0**
Hemorrhage						2																				**5 1.4**
Inflammation, Chronic					2			1			1								2		1					**8 1.6**
Alveolar Epithelium, Hyperplasia					3					3				1							2				2	**12 2.0**
Alveolar Epithelium, Metaplasia, Squamous																										**1 4.0**
Alveolar Epithelium, Metaplasia, Mucous																										**1 3.0**
Alveolus, Infiltration Cellular, Histiocyte								1		2	1								2		1			1		**13 1.5**
Alveolus, Proteinosis					1		2																			**3 2.0**
Bronchiole, Glands, Degeneration, Mucoid	1						2									1	1									**5 1.2**
Bronchiole, Goblet Cell, Hyperplasia																										**1 3.0**
Interstitium, Fibrosis					1																					**1 1.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body				3		1		3	X							3							3			**11 2.6**
Inflammation, Suppurative								1								1										**6 1.3**
Inflammation, Chronic									1																	**1 1.0**

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CONTROL																										
Inflammation, Chronic Active					1																					**1 1.0**
Nasolacrimal Duct, Inflammation, Suppurative																									1	**1 1.0**
Olfactory Epithelium, Degeneration																							1			**1 1.0**
Olfactory Epithelium, Degeneration, Hyaline												2														**1 2.0**
Respiratory Epithelium, Degeneration, Hyaline																										**1 1.0**
Respiratory Epithelium, Hyperplasia																										**1 2.0**
Respiratory Epithelium, Inflammation, Chronic			1			1																				**4 1.0**
Pleura													+												**2**	
Fibrosis													1													**2 1.5**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy																										**1 4.0**
Inflammation, Chronic																										**1 3.0**
Anterior Chamber, Inflammation, Suppurative	1																									**1 1.0**
Cornea, Mineralization														1												**1 1.0**
Lens, Cataract	1		4									4								4						**9 2.6**
Retina, Atrophy			4																	4						**2 4.0**
Sclera, Metaplasia, Osseous		1									2												4			**4 2.3**

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CONTROL																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Nephropathy, Chronic	4	1	1	3	3	3	3	4	2	4	4		2	2	2	2	2	2	3	2	3	1	4	3	1	**48 2.6**
Cortex, Renal Tubule, Accumulation, Hyaline Droplet																			4							**1 4.0**
Cortex, Renal Tubule, Hyperplasia																										**1 2.0**
Cortex, Renal Tubule, Pigmentation																										**1 4.0**
Papilla, Mineralization		1	1	1				1															2		1	**13 1.2**
Pelvis, Transitional Epithelium, Hyperplasia																										**1 1.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Calculus Micro Observation Only																										**1**
Inflammation, Chronic																					2					**1 2.0**

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FISCHER 344 RATS MALE
30 PPM
males (cont...)

DAY ON TEST	0715	0730	0729	0729	0730	0729	0729	0730	0674	0633	0730	0729	0696	0729	0729	0642	0590	0729	0729	0513	0730	0730	0576	0670	0730
ANIMAL ID	0020 01	0020 02	0020 03	0020 04	0020 05	0020 06	0020 07	0020 08	0020 09	0021 10	0021 11	0021 12	0021 13	0021 14	0021 15	0021 16	0021 17	0021 18	0021 19	0022 20	0022 21	0022 22	0022 23	0022 24	0022 25
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Muscularis, Hyperplasia																									
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis	4																								
Basophilic Focus, Multiple											2														
Clear Cell Focus														4											2
Clear Cell Focus, Multiple		1		1	1		2								2							1		2	
Degeneration, Cystic																			3						
Hepatodiaphragmatic Nodule	4						4															4			4
Infarct	4																								
Necrosis	4																								
Vacuolization Cytoplasmic																									

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FISCHER 344 RATS MALE
30 PPM
males (cont...)

DAY ON TEST	0715	0730	0729	0729	0730	0729	0729	0730	0674	0633	0730	0729	0696	0729	0729	0642	0590	0729	0729	0513	0730	0730	0576	0670	0730
ANIMAL ID	0002001	0002002	0002003	0002004	0002005	0002006	0002007	0002008	0002009	0002010	0002011	0002012	0002013	0002014	0002015	0002016	0002017	0002018	0002019	0002020	0002021	0002022	0002023	0002024	0002025
Bile Duct, Hyperplasia			1																						
Periportal, Inflammation, Chronic			1	2													1								
Mesentery	+						+				+					+		+			+				
Necrosis	2						2				3					1		3			2				
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Acinus, Atrophy												3							1						
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Diverticulum																									
Erosion	4																								
Inflammation, Suppurative																									
Ulcer																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion																									
Tongue																									+
Epithelium, Hyperplasia																									1
Tooth																						+			
Inflammation, Suppurative																						4			

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	07/15	07/30	07/29	07/29	07/30	07/29	07/29	07/30	06/74	06/33	07/30	07/29	06/96	07/29	07/29	06/42	05/90	07/29	07/29	05/13	07/30	07/30	05/76	06/70	07/30
FISCHER 344 RATS MALE ANIMAL ID	0002001	0002002	0002003	0002004	0002005	0002006	0002007	0002008	0002009	0002010	0002011	0002012	0002013	0002014	0002015	0002016	0002017	0002018	0002019	0002020	0002021	0002022	0002023	0002024	0002025
30 PPM																									**males (cont...)**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2		2	2	1	3	1	2	1		2	1	2	1			1	1	1	2	1	1			
Atrium, Thrombosis																									
Ventricle, Inflammation, Suppurative																									
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				3	3		2	2			2	1						1	4						1
Vacuolization Cytoplasmic	3						2		1							1	1					1			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia			1	4							4								4						
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia							4																		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst									4																
Hemorrhage																									
Hyperplasia		3																				2		4	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		1	4	4			2						1		4	1						1	1		2
Follicular Cell, Hyperplasia																									

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DAY ON TEST	07/15	07/30	07/29	07/29	07/30	07/29	07/29	07/30	06/74	06/33	07/30	07/29	06/96	07/29	07/29	06/42	05/90	07/29	07/29	05/13	07/30	07/30	05/76	06/70	07/30
FISCHER 344 RATS MALE ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225
30 PPM																									**males (cont...)**
GENERAL BODY SYSTEM																									
Peritoneum																									
GENITAL SYSTEM																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst					3																				
Hyperplasia					3									3											
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		1																							
Inflammation, Suppurative	4	1	2	1	2	2		1	2	1	2	2	2	2	1	1	1	1	1			1	1		1
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization			2						3																
Artery, Inflammation, Chronic Active	1																								
Germinal Epithelium, Atrophy	3	2	3	2	1	2		4	2		4	2	2	2	2	2		3	2	2	2	3		2	1
Interstitial Cell, Hyperplasia			3	2			4																		
HEMATOPOIETIC SYSTEM																									

FISCHER 344 RATS MALE
30 PPM
males (cont...)

DAY ON TEST	0715	0730	0729	0729	0730	0729	0729	0730	0674	0633	0730	0729	0696	0729	0729	0642	0590	0729	0729	0513	0730	0730	0576	0670	0730
ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node																									
Pancreatic, Pigmentation, Hemosiderin																									
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Ectasia																									
Hemorrhage																									
Pigmentation, Hemosiderin																									
Lymph Node, Mandibular	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	M	+	+	+	M	+	+
Angiectasis																						4			
Hemorrhage																									
Hyperplasia, Lymphoid																									
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Necrosis																									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Spleen																									
Fibrosis							3															3			
Hematopoietic Cell Proliferation																									
Hemorrhage							3																		
Necrosis																									
Pigmentation, Hemosiderin																									

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DAY ON TEST	0715	0730	0729	0729	0730	0729	0729	0730	0674	0633	0730	0729	0696	0729	0729	0642	0590	0729	0729	0513	0730	0730	0576	0670	0730
FISCHER 344 RATS MALE ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225
30 PPM																									**males (cont...)**
Thymus	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele								3				2	4												
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion																									
Hyperkeratosis															3										
Inflammation, Chronic																									
Ulcer																								4	
Subcutaneous Tissue, Fibrosis																									2
Subcutaneous Tissue, Metaplasia, Osseous				3																					
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression	2		2							4						4	2		3				4		
Hemorrhage													4							4					

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FISCHER 344 RATS MALE
30 PPM
males (cont...)

DAY ON TEST	07/15	07/30	07/29	07/29	07/30	07/29	07/29	07/30	06/74	06/33	07/30	07/29	06/96	07/29	07/29	06/42	05/90	07/29	07/29	05/13	07/30	07/30	05/76	06/70	07/30
ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body														4										4	
Inflammation, Suppurative																								2	
Respiratory Epithelium, Metaplasia, Squamous																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage													3												
Inflammation, Chronic						3					1								2					2	
Alveolar Epithelium, Hyperplasia																			2						
Alveolus, Infiltration Cellular, Histiocyte	1		1	2		3				1	2					2					1			3	
Alveolus, Proteinosis																			1						
Bronchiole, Hyperplasia										1															
Interstitium, Fibrosis																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body	3	3																							3
Inflammation, Suppurative	1	1							1									2	2						
Glands, Dilatation																			2						
Goblet Cell, Hyperplasia																2									
Nasolacrimal Duct, Inflammation, Suppurative								1																	
Olfactory Epithelium, Degeneration	2	2	2	2	2	2	2	2			1	3	1	3	2		3	2	1	2	2	2		2	2
Olfactory Epithelium, Hyperplasia, Basal Cell	2	2	1	1	2			2		1	2	2	1		2	1		2	2	2	2	2		2	
Olfactory Epithelium, Inflammation, Suppurative		2	1		1	1		1				1						1			1				

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DAY ON TEST	07 15	07 30	07 29	07 29	07 30	07 29	07 29	07 30	06 74	06 33	07 30	07 29	06 96	07 29	07 29	06 42	05 90	07 29	07 29	05 13	07 30	07 30	05 76	06 70	07 30
FISCHER 344 RATS MALE ANIMAL ID	00 201	00 202	00 203	00 204	00 205	00 206	00 207	00 208	00 209	00 210	00 211	00 212	00 213	00 214	00 215	00 216	00 217	00 218	00 219	00 220	00 221	00 222	00 223	00 224	00 225
30 PPM																									**males (cont...)**
Olfactory Epithelium, Metaplasia	2	2	2									2			1			2	2		1	2			
Olfactory Epithelium, Mineralization	1									1							2								
Respiratory Epithelium, Hyperplasia									2									3							
Respiratory Epithelium, Inflammation, Chronic						1					1														1
Respiratory Epithelium, Metaplasia, Squamous																									
Pleura																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cornea, Degeneration																									
Cornea, Inflammation, Suppurative				1																					
Cornea, Mineralization																									
Lens, Cataract	2	1							1											2					2
Retina, Atrophy																									
Sclera, Metaplasia, Osseous	1				2						1	1			1						1	2			2
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																									
URINARY SYSTEM																									

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FISCHER 344 RATS MALE
30 PPM
males (cont...)

DAY ON TEST	0715	0730	0729	0729	0730	0729	0729	0730	0674	0633	0730	0729	0696	0729	0729	0642	0590	0729	0729	0513	0730	0730	0576	0670	0730
ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative																									
Nephropathy, Chronic	4	3	3	3	3	3	2	4	3	3	3	2	3	4	3	3	3	4	4	2	3	3	3	2	3
Cortex, Renal Tubule, Accumulation, Hyaline Droplet																									
Cortex, Renal Tubule, Hyperplasia	4											2													
Cortex, Renal Tubule, Hyperplasia, Oncocytic																		4							
Papilla, Mineralization									1		1														1
Pelvis, Transitional Epithelium, Hyperplasia																									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	056 3	072 9	071 6	072 9	058 2	072 9	072 9	072 9	073 0	072 9	073 0	072 2	072 9	050 0	056 3	073 0	056 0	072 2	067 6	066 3	072 9	072 9	071 5	054 7	073 0	
FISCHER 344 RATS MALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
30 PPM																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	A	+	+	+	+	+	**47**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	**48**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	**49**
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	**47**
Intestine Small, Ileum	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	A	A	+	+	+	+	+	**46**
Muscularis, Hyperplasia								3																		**1 3.0**
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	A	A	+	+	+	+	+	**46**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**1 4.0**
Basophilic Focus, Multiple																										**1 2.0**
Clear Cell Focus										4																**3 3.3**
Clear Cell Focus, Multiple		1		1								2												2		**11 1.5**
Degeneration, Cystic																					1					**2 2.0**
Hepatodiaphragmatic Nodule																										**4 4.0**
Infarct																										**1 4.0**
Necrosis																			3				4			**3 3.7**
Vacuolization Cytoplasmic						1	1	1				2						2								**5 1.4**

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FISCHER 344 RATS MALE

30 PPM

DAY ON TEST	0563	0729	0716	0729	0582	0729	0729	0729	0730	0729	0730	0722	0729	0500	0563	0730	0560	0722	0676	0663	0729	0729	0715	0547	0730	
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	* TOTALS
Bile Duct, Hyperplasia			1															2								**3 1.3**
Periportal, Inflammation, Chronic																										**3 1.3**
Mesentery			+								+	+				+		+				+		+	**13**	
Necrosis			3								2	3				3		3				2		3		**13 2.5**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																4										**1 4.0**
Acinus, Atrophy												4											2		3	**5 2.6**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Diverticulum																						X				**1**
Erosion																										**1 4.0**
Inflammation, Suppurative																								4		**1 4.0**
Ulcer																								4		**1 4.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion							4																2			**2 3.0**
Tongue						+				+															3	
Epithelium, Hyperplasia										3																**2 2.0**
Tooth						+																			2	
Inflammation, Suppurative						3																				**2 3.5**

CARDIOVASCULAR SYSTEM

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FISCHER 344 RATS MALE

30 PPM

DAY ON TEST	0563	0729	0716	0729	0582	0729	0729	0729	0730	0729	0730	0722	0729	0500	0563	0730	0560	0722	0676	0663	0729	0729	0715	0547	0730	
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	* TOTALS
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiomyopathy	1	1	2	1		1			2	1	1	1		1		1	1	1		2		1	1	1		35 1.3
Atrium, Thrombosis							4																4			2 4.0
Ventricle, Inflammation, Suppurative							4																			1 4.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia		3		4			3		2	4									2	2					3	17 2.5
Vacuolization Cytoplasmic			1															1			2		2	1		11 1.5
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia		4	4			4			3			3	1			1		1		2		1	4			15 2.7
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia																				4						2 4.0
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pituitary Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Cyst														4	4											3 4.0
Hemorrhage											4						4									2 4.0
Hyperplasia			4					3		4						3						3				8 3.3
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C-cell, Hyperplasia		1				1							4			1			3		1	1				17 1.9
Follicular Cell, Hyperplasia																				4						1 4.0

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DAY ON TEST	0563	0729	0716	0729	0582	0729	0729	0729	0730	0729	0730	0722	0729	0500	0563	0730	0560	0722	0676	0663	0729	0729	0715	0547	0730	
FISCHER 344 RATS MALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
30 PPM																										
GENERAL BODY SYSTEM																										
Peritoneum																							+	+		**2**
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1 3.0**
Hyperplasia																										**2 3.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 1.0**
Inflammation, Suppurative	1	2		2				1	2			1	1				2	2		2	1	2	1	3	2	**36 1.6**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineralization																										**2 2.5**
Artery, Inflammation, Chronic Active																										**1 1.0**
Germinal Epithelium, Atrophy	2	2	2	4	2	2		2	3	2	4	4	4		2	4		2		2	2	2	2	2	2	**42 2.4**
Interstitial Cell, Hyperplasia																								2		**4 2.8**
HEMATOPOIETIC SYSTEM																										

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FISCHER 344 RATS MALE
30 PPM

DAY ON TEST	0563	0729	0716	0729	0582	0729	0729	0729	0730	0729	0730	0722	0729	0500	0563	0730	0560	0722	0676	0663	0729	0729	0715	0547	0730	
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lymph Node			+									+														**2**
Pancreatic, Pigmentation, Hemosiderin												3														**1 3.0**
Lymph Node, Bronchial	M	M	+	+	M	+	M	M	M	M	M	+	M	M	M	M	M	+	M	M	M	M	M	M	M	**5**
Ectasia						4																				**1 4.0**
Hemorrhage												2														**1 2.0**
Pigmentation, Hemosiderin												2														**1 2.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**1**
Lymph Node, Mediastinal	+	+	+	M	M	M	+	M	+	+	+	M	M	+	+	M	+	+	+	+	M	M	+	+	M	**36**
Angiectasis																										**1 4.0**
Hemorrhage																							4			**1 4.0**
Hyperplasia, Lymphoid																								4		**1 4.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Necrosis							4																			**1 4.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Spleen											2															**1 2.0**
Fibrosis								2																		**3 2.7**
Hematopoietic Cell Proliferation																							4			**1 4.0**
Hemorrhage																		3								**2 3.0**
Necrosis			4											4												**2 4.0**
Pigmentation, Hemosiderin												4														**1 4.0**

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FISCHER 344 RATS MALE
30 PPM

DAY ON TEST	0563	0729	0716	0729	0582	0729	0729	0729	0730	0729	0730	0722	0729	0500	0563	0730	0560	0722	0676	0663	0729	0729	0715	0547	0730	
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
Thymus	+	+	+	M	+	+	+	M	+	+	M	+	M	+	+	+	+	+	+	+	M	M	+	+	+	**43**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Galactocele																										**3 3.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion			4		4		4																			**3 4.0**
Hyperkeratosis																										**1 3.0**
Inflammation, Chronic				2																						**1 2.0**
Ulcer																										**1 4.0**
Subcutaneous Tissue, Fibrosis																										**1 2.0**
Subcutaneous Tissue, Metaplasia, Osseous																										**1 3.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression	1	2										2					3	3			3					**13 2.7**
Hemorrhage		2															2		3							**5 3.0**

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FISCHER 344 RATS MALE
30 PPM

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ANIMAL ID	0022	0022	0022	0022	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0024	0024	0024	0024	0024	0024	0024	0024	0024	0024	0025	
	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	*** TOTALS**
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																										**2 4.0**
Inflammation, Suppurative						1																				**2 1.5**
Respiratory Epithelium, Metaplasia, Squamous																	1									**1 1.0**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																			1				3			**3 2.3**
Inflammation, Chronic								1		1					1						2	1	1			**10 1.5**
Alveolar Epithelium, Hyperplasia					1	1									1		2		4		2					**7 1.9**
Alveolus, Infiltration Cellular, Histiocyte				2	1	1		1				1							1			1				**16 1.5**
Alveolus, Proteinosis																										**1 1.0**
Bronchiole, Hyperplasia																										**1 1.0**
Interstitium, Fibrosis															2											**1 2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body								3										3								**5 3.0**
Inflammation, Suppurative																							1			**6 1.3**
Glands, Dilatation									1							1										**3 1.3**
Goblet Cell, Hyperplasia																										**1 2.0**
Nasolacrimal Duct, Inflammation, Suppurative													2												1	**3 1.3**
Olfactory Epithelium, Degeneration	1	2		1		2	2	2	2	2	3	2	2	2		2	1		1		1	2		1	2	**40 1.9**
Olfactory Epithelium, Hyperplasia, Basal Cell	1	2		2		2	3	2	2	2	1	2	2	3		2	1	1	2	2	2	1			2	**38 1.8**
Olfactory Epithelium, Inflammation, Suppurative		1				1							1	1												**12 1.1**

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FISCHER 344 RATS MALE

30 PPM

DAY ON TEST	0563	0729	0716	0729	0582	0729	0729	0729	0730	0729	0730	0722	0729	0500	0563	0730	0560	0722	0676	0663	0729	0729	0715	0547	0730	
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	* TOTALS
Olfactory Epithelium, Metaplasia				1		1			1	2		1	2			1					2					17 1.6
Olfactory Epithelium, Mineralization	1											1														5 1.2
Respiratory Epithelium, Hyperplasia																										2 2.5
Respiratory Epithelium, Inflammation, Chronic									2																	4 1.3
Respiratory Epithelium, Metaplasia, Squamous															1											1 1.0
Pleura								+																		1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	49
Cornea, Degeneration	1																									1 1.0
Cornea, Inflammation, Suppurative																										1 1.0
Cornea, Mineralization	1																									1 1.0
Lens, Cataract	3		3				3	4												3						10 2.4
Retina, Atrophy	3		3					4																		3 3.3
Sclera, Metaplasia, Osseous											1					2						2				11 1.5
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic																	1									1 1.0

URINARY SYSTEM

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FISCHER 344 RATS MALE
30 PPM

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Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Suppurative							3																			**1 3.0**
Nephropathy, Chronic	4	3	1	1	3	3	4	3	4	4	2	4	3	1	3	3	2	4	4	4	4	3	3	4	2	**50 3.0**
Cortex, Renal Tubule, Accumulation, Hyaline Droplet					4															4						**2 4.0**
Cortex, Renal Tubule, Hyperplasia																										**2 3.0**
Cortex, Renal Tubule, Hyperplasia, Oncocytic																										**1 4.0**
Papilla, Mineralization			1	1					1			1	1				1						1		1	**11 1.0**
Pelvis, Transitional Epithelium, Hyperplasia																								2		**1 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS MALE
60 PPM
males (cont...)

DAY ON TEST	0730	0537	0547	0730	0729	0730	0724	0729	0623	0729	0729	0619	0730	0729	0614	0561	0729	0729	0438	0625	0730	0719	0640	0729	0729
ANIMAL ID	0040401	0040402	0040403	0040404	0040405	0040406	0040407	0040408	0040409	0040410	0040411	0040412	0040413	0040414	0040415	0040416	0040417	0040418	0040419	0040420	0040421	0040422	0040423	0040424	0040425
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus																	1							1	1
Basophilic Focus, Multiple																									
Clear Cell Focus																	1				X				
Clear Cell Focus, Multiple						1					1														
Degeneration, Cystic																									
Hematopoietic Cell Proliferation																									
Hepatodiaphragmatic Nodule										4				4											4
Necrosis																									
Vacuolization Cytoplasmic			2									1					2								
Bile Duct, Hyperplasia									1																

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FISCHER 344 RATS MALE
60 PPM
males (cont...)

DAY ON TEST	0730	0537	0547	0730	0729	0730	0724	0729	0623	0729	0729	0619	0730	0729	0614	0561	0729	0729	0438	0625	0730	0719	0640	0729	0729
ANIMAL ID	00401	00402	00403	00404	00405	00406	00407	00408	00409	00410	00411	00412	00413	00414	00415	00416	00417	00418	00419	00420	00421	00422	00423	00424	00425
Periportal, Inflammation, Chronic										2												3			
Serosa, Fibrosis																									
Mesentery					+			+													+				+
Necrosis					1			2													2				2
Oral Mucosa								+																	
Pharyngeal, Fibrosis																									
Pharyngeal, Hyperplasia, Squamous								4																	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																									
Acinus, Atrophy												2													
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Squamous																3									
Inflammation, Suppurative																2									
Ulcer							4																		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue											+										+				
Epithelium, Hyperplasia											3										3				
Tooth																									
Inflammation, Suppurative																									

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FISCHER 344 RATS MALE ANIMAL ID	00401	00402	00403	00404	00405	00406	00407	00408	00409	00410	00411	00412	00413	00414	00415	00416	00417	00418	00419	00420	00421	00422	00423	00424	00425
60 PPM																									**males (cont...)**
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	1	1	2	3	1	1	3		1	2	2	1	2	1		1	1	2			2		1	1	2
Atrium, Thrombosis																									
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									
Hyperplasia					4		2	1		1	2		2	2				1			2	4	2		
Vacuolization Cytoplasmic	1			1					1		1	1	1		1	2							1	2	1
Adrenal Medulla	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	1				1		4			2	3		2	2		3									
Infiltration Cellular, Lymphocyte																						3			
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																		4							
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage									4																
Hyperplasia						2												4							

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DAY ON TEST	0730	0537	0547	0730	0729	0730	0724	0729	0623	0729	0729	0619	0730	0729	0614	0561	0729	0729	0438	0625	0730	0719	0640	0729	0729
FISCHER 344 RATS MALE ANIMAL ID	0040	0040	0040	0040	0040	0040	0040	0040	0040	0041	0041	0041	0041	0041	0041	0041	0041	0041	0041	0042	0042	0042	0042	0042	0042
60 PPM	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
males (cont...)																									
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		1			1	1		1									1	1			1			1	
Follicular Cell, Hyperplasia										1															
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									3
Hyperplasia																									
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	2	2																							
Inflammation, Suppurative	2	1		2			3	2	3	2	1	4	2		1	3	1			1	3	3	1	1	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Dilatation																									
Inflammation, Suppurative												1													
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Artery, Inflammation, Chronic Active													2									4		1	
Germinal Epithelium, Atrophy	4		2	2	2	2							3	4			2	2		2	2	4	1	3	2
Interstitial Cell, Hyperplasia										1						2									

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FISCHER 344 RATS MALE
60 PPM

DAY ON TEST	0730	0537	0547	0730	0729	0730	0724	0729	0623	0729	0729	0619	0730	0729	0614	0561	0729	0729	0438	0625	0730	0719	0640	0729	0729
ANIMAL ID	0041	0042	0043	0044	0045	0046	0047	0048	0049	0410	0411	0412	0413	0414	0415	0416	0417	0418	0419	0420	0421	0422	0423	0424	0425
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Reticulum Cell			4																						
Lymph Node			+	+			+																		
Deep Cervical, Ectasia			3																						
Pancreatic, Ectasia				4																					
Lymph Node, Bronchial	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M
Angiectasis					4																				
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	+	M	+	M	M	M	M	M	M
Inflammation, Chronic Active																			3						
Lymph Node, Mediastinal	M	M	M	M	+	+	+	M	M	+	+	+	M	M	+	+	+	+	+	+	+	+	+	M	+
Ectasia																									2
Hyperplasia, Lymphoid																									
Inflammation, Suppurative																									
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis														2											
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation			4																2						
Hyperplasia, Lymphoid																	3								
Necrosis																									

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DAY ON TEST	0730	0537	0547	0730	0729	0730	0724	0729	0623	0729	0729	0619	0730	0729	0614	0561	0729	0729	0438	0625	0730	0719	0640	0729	0729
FISCHER 344 RATS MALE ANIMAL ID	00401	00402	00403	00404	00405	00406	00407	00408	00409	00410	00411	00412	00413	00414	00415	00416	00417	00418	00419	00420	00421	00422	00423	00424	00425
60 PPM																									**males (cont...)**
Thymus	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperkeratosis																									4
Hyperplasia, Squamous																									4
Subcutaneous Tissue, Hemorrhage																									
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression		4							4	2		3	4		3		4					1	3	3	
Hemorrhage																				1					
RESPIRATORY SYSTEM																									

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FISCHER 344 RATS MALE
60 PPM
males (cont...)

DAY ON TEST	0730	0537	0547	0730	0729	0730	0724	0729	0623	0729	0729	0619	0730	0729	0614	0561	0729	0729	0438	0625	0730	0719	0640	0729	0729
ANIMAL ID	00401	00402	00403	00404	00405	00406	00407	00408	00409	00410	00411	00412	00413	00414	00415	00416	00417	00418	00419	00420	00421	00422	00423	00424	00425
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																				4					
Inflammation, Suppurative			1	1								1											1		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion																									
Hemorrhage					1	1	2											1							
Inflammation, Suppurative																									
Inflammation, Chronic														3			1					1		2	
Alveolar Epithelium, Hyperplasia	4								4	3			4					4						2	
Alveolar Epithelium, Metaplasia, Squamous														4											
Alveolar Epithelium, Metaplasia, Mucous														3										2	
Alveolus, Infiltration Cellular, Histiocyte		1			1					2					1	1		2	1					3	
Alveolus, Proteinosis														3				1						2	
Artery, Mineralization																						2			
Bronchiole, Glands, Degeneration, Mucoid														3											
Interstitium, Fibrosis																									
Mediastinum, Fibrosis													3				2								
Mediastinum, Hyperplasia, Lymphoid, Focal													2												
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Foreign Body	3			X								3													
Inflammation, Suppurative	1											1													
Glands, Dilatation		1																							
Olfactory Epithelium, Degeneration	1	2	2	2	2	1		2	1	1	2	2	2	2	2	1	2	1	1		2		2	2	1
Olfactory Epithelium, Hyperplasia, Basal Cell	1	2	2	2	2	1	3	2	1	2	2	1	2	2	2		2	1	2		2	3	2	2	1
Olfactory Epithelium, Inflammation, Suppurative				4				1					1					1			1			1	1

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FISCHER 344 RATS MALE
60 PPM

males (cont...)

DAY ON TEST	0730	0537	0547	0730	0729	0730	0724	0729	0623	0729	0729	0619	0730	0729	0614	0561	0729	0729	0438	0625	0730	0719	0640	0729	0729
ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
Olfactory Epithelium, Metaplasia	1	1		2	1	1		2		1	2	2	2		1				1		1	3		2	2
Olfactory Epithelium, Mineralization			2												1		1					2	1		
Respiratory Epithelium, Hyperplasia	2			4																					
Respiratory Epithelium, Inflammation, Chronic	2			1				1		2				1		1	1	2			1				
Pleura								+									+								
Fibrosis								1																	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Anterior Chamber, Edema													4												
Lens, Cataract	2						4						4				2								1
Retina, Atrophy	2												4												2
Sclera, Metaplasia, Osseous						2																			
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte																						2			
Inflammation, Chronic				2																					
Zymbal's Gland																			+						

URINARY SYSTEM

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FISCHER 344 RATS MALE
60 PPM
males (cont...)

DAY ON TEST	0730	0537	0547	0730	0729	0730	0724	0729	0623	0729	0729	0619	0730	0729	0614	0561	0729	0729	0438	0625	0730	0719	0640	0729	0729
ANIMAL ID	00401	00402	00403	00404	00405	00406	00407	00408	00409	00410	00411	00412	00413	00414	00415	00416	00417	00418	00419	00420	00421	00422	00423	00424	00425
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte																						3			
Nephropathy, Chronic	4	3	2	3	3	3	4	4	3	2	3	3	4	3	2	4	4	3		1	4	4	3	4	3
Artery, Necrosis																						3			
Cortex, Renal Tubule, Accumulation, Hyaline Droplet																			3						
Medulla, Casts																									
Papilla, Mineralization									1	1								1			1	1			
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Calculus Micro Observation Only																						X			
Transitional Epithelium, Hyperplasia																2									

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DAY ON TEST	072 9	072 9	066 2	064 2	073 0	068 9	072 9	060 0	066 2	072 9	071 8	072 9	073 0	062 1	073 0	069 1	069 8	073 0	048 0	048 3	052 3	072 9	072 9	068 9	064 7		
FISCHER 344 RATS MALE ANIMAL ID	000 426	000 427	000 428	000 429	000 430	000 431	000 432	000 433	000 434	000 435	000 436	000 437	000 438	000 439	000 440	000 441	000 442	000 443	000 444	000 445	000 446	000 447	000 448	000 449	000 450		
60 PPM																										*** TOTALS**	
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	**46**	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	**47**	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	**45**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	**46**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Basophilic Focus																							1	1		**5**	**1.0**
Basophilic Focus, Multiple												1														**1**	**1.0**
Clear Cell Focus																		2								**3**	**1.5**
Clear Cell Focus, Multiple	2	3					1						2		2							2				**8**	**1.8**
Degeneration, Cystic																						1				**1**	**1.0**
Hematopoietic Cell Proliferation																					3					**1**	**3.0**
Hepatodiaphragmatic Nodule					4																					**4**	**4.0**
Necrosis																4										**1**	**4.0**
Vacuolization Cytoplasmic				1																						**4**	**1.5**
Bile Duct, Hyperplasia											1		1											1		**4**	**1.0**

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FISCHER 344 RATS MALE
60 PPM

DAY ON TEST	072 9	072 9	066 2	064 2	073 0	068 9	072 9	060 0	066 2	072 9	071 8	072 9	073 0	062 1	073 0	069 1	069 8	073 0	048 0	048 3	052 3	072 9	072 9	068 9	064 7	
ANIMAL ID	00426	00427	00428	00429	00430	00431	00432	00433	00434	00435	00436	00437	00438	00439	00440	00441	00442	00443	00444	00445	00446	00447	00448	00449	00450	* TOTALS
Periportal, Inflammation, Chronic																										2 2.5
Serosa, Fibrosis													4													1 4.0
Mesentery	+				+	+		+	+		+						+			+					12
Necrosis	1				1	2		2	2		3						3			3						12 2.0
Oral Mucosa	+															+										3
Pharyngeal, Fibrosis																4										1 4.0
Pharyngeal, Hyperplasia, Squamous	2																									2 3.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic																							3			1 3.0
Acinus, Atrophy		2							2																	3 2.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia, Squamous																										1 3.0
Inflammation, Suppurative																										1 2.0
Ulcer			4														2									3 3.3
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Tongue	+																									3
Epithelium, Hyperplasia	3																									3 3.0
Tooth																+										1
Inflammation, Suppurative																4										1 4.0

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FISCHER 344 RATS MALE ANIMAL ID	000 426	000 427	000 428	000 429	000 430	000 431	000 432	000 433	000 434	000 435	000 436	000 437	000 438	000 439	000 440	000 441	000 442	000 443	000 444	000 445	000 446	000 447	000 448	000 449	000 450		
60 PPM																										*** TOTALS**	
CARDIOVASCULAR SYSTEM																											
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy		1		1		1	2	1		1	1		1		1	1		1	2	2	1	1	1	1	1		**38 1.4**
Atrium, Thrombosis							4																				**1 4.0**
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Atrophy					4																						**1 4.0**
Hyperplasia	3							1					1	1								4		3	2		**18 2.1**
Vacuolization Cytoplasmic			1	1			1		1	1		2				1	2										**19 1.2**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hyperplasia							1	2		3	4	2	2				1										**15 2.2**
Infiltration Cellular, Lymphocyte																											**1 3.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																											**1 4.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Pituitary Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hemorrhage		4															3			4							**4 3.8**
Hyperplasia														2				4									**4 3.0**

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FISCHER 344 RATS MALE

60 PPM

DAY ON TEST	072 9	072 9	066 2	064 2	073 0	068 9	072 9	060 0	066 2	072 9	071 8	072 9	073 0	062 1	073 0	069 1	069 8	073 0	048 0	048 3	052 3	072 9	072 9	068 9	064 7	
ANIMAL ID	00426	00427	00428	00429	00430	00431	00432	00433	00434	00435	00436	00437	00438	00439	00440	00441	00442	00443	00444	00445	00446	00447	00448	00449	00450	*** TOTALS**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	1	1				1	1						1		1			3					2			**16 1.2**
Follicular Cell, Hyperplasia																										**1 1.0**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst								4													4					**3 3.7**
Hyperplasia												4	4								4					**3 4.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	1										1							1								**5 1.4**
Inflammation, Suppurative		1	1	1		2	1	1	1	2	1			1	1	2	2		2	3	1	1	1	2	1	**38 1.7**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Dilatation						3																				**1 3.0**
Inflammation, Suppurative																										**1 1.0**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Artery, Inflammation, Chronic Active							1															2			2	**6 2.0**
Germinal Epithelium, Atrophy	4	2	2	2	4	2	2	2		2	2		2	2	2	2		2			2	3	2	2		**34 2.4**
Interstitial Cell, Hyperplasia																					2				3	**4 2.0**

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DAY ON TEST	072	072	066	064	073	068	072	060	066	072	071	072	073	062	073	069	069	073	048	048	052	072	072	068	064	
	929	929	622	422	300	899	299	000	622	929	188	299	300	211	300	911	988	300	800	833	233	299	299	899	477	
FISCHER 344 RATS MALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	
60 PPM	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	*** TOTALS**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia, Reticulum Cell																											**1 4.0**
Lymph Node			+						+					+			+									**7**	
Deep Cervical, Ectasia																											**1 3.0**
Pancreatic, Ectasia																											**1 4.0**
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	+	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	**4**	
Angiectasis									3																		**2 3.5**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**3**	
Inflammation, Chronic Active																											**1 3.0**
Lymph Node, Mediastinal	M	+	+	+	M	M	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	**36**	
Ectasia																											**1 2.0**
Hyperplasia, Lymphoid																3											**1 3.0**
Inflammation, Suppurative																2											**1 2.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Fibrosis																											**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hematopoietic Cell Proliferation									4												4						**4 3.5**
Hyperplasia, Lymphoid																											**1 3.0**
Necrosis																	4										**1 4.0**

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DAY ON TEST	0729	0729	0662	0642	0730	0689	0729	0600	0662	0729	0718	0729	0730	0621	0730	0691	0698	0730	0480	0483	0523	0729	0729	0689	0647	
FISCHER 344 RATS MALE ANIMAL ID	0004266	0004277	0004288	0004299	0004300	0004311	0004322	0004333	0004344	0004355	0004366	0004377	0004388	0004399	0004400	0004411	0004422	0004433	0004444	0004455	0004466	0004477	0004488	0004499	0004500	*** TOTALS**
60 PPM																										
Thymus	+	+	+	+	+	M	+	+	+	M	+	M	+	+	M	+	+	M	+	+	+	+	+	+	+	**44**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Galactocele							4																		1	**2 2.5**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperkeratosis																								4		**2 4.0**
Hyperplasia, Squamous																								4		**2 4.0**
Subcutaneous Tissue, Hemorrhage																					4					**1 4.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression				2		2			1	3									4					3	2	**17 2.8**
Hemorrhage						1											3			4						**4 2.3**
RESPIRATORY SYSTEM																										

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FISCHER 344 RATS MALE
60 PPM

DAY ON TEST	072 9	072 9	066 2	064 2	073 0	068 9	072 9	060 0	066 2	072 9	071 8	072 9	073 0	062 1	073 0	069 1	069 8	073 0	048 0	048 3	052 3	072 9	072 9	068 9	064 7	
ANIMAL ID	00426	00427	00428	00429	00430	00431	00432	00433	00434	00435	00436	00437	00438	00439	00440	00441	00442	00443	00444	00445	00446	00447	00448	00449	00450	* TOTALS
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Foreign Body											4						4				4					4 4.0
Inflammation, Suppurative																	1					1		1		7 1.0
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Congestion								2																		1 2.0
Hemorrhage												1														5 1.2
Inflammation, Suppurative											1										1					2 1.0
Inflammation, Chronic						1	2															1				7 1.6
Alveolar Epithelium, Hyperplasia											1					2	3	4						2		11 3.0
Alveolar Epithelium, Metaplasia, Squamous																										1 4.0
Alveolar Epithelium, Metaplasia, Mucous																										2 2.5
Alveolus, Infiltration Cellular, Histiocyte	1					1	1					1				1						1				14 1.3
Alveolus, Proteinosis																										3 2.0
Artery, Mineralization																										1 2.0
Bronchiole, Glands, Degeneration, Mucoid																										1 3.0
Interstitium, Fibrosis							1																			1 1.0
Mediastinum, Fibrosis																										2 2.5
Mediastinum, Hyperplasia, Lymphoid, Focal																										1 2.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Foreign Body									3																3	5 3.0
Inflammation, Suppurative						2										3									2	5 1.8
Glands, Dilatation													1					2								3 1.3
Olfactory Epithelium, Degeneration	1	1	2	1	2		2	2		1	1	1	3	1	1		1	2	2	3		1	2	2	1	43 1.6
Olfactory Epithelium, Hyperplasia, Basal Cell	1	1	3	2	2	3	2	2	3	2	2	1	2	1	1	3	2	2	2	3	2	1	3	2	2	48 1.9
Olfactory Epithelium, Inflammation, Suppurative																							1			8 1.4

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FISCHER 344 RATS MALE

60 PPM

DAY ON TEST	0729	0729	0662	0642	0730	0689	0729	0600	0662	0729	0718	0729	0730	0621	0730	0691	0698	0730	0480	0483	0523	0729	0729	0689	0647	
ANIMAL ID	00426	00427	00428	00429	00430	00431	00432	00433	00434	00435	00436	00437	00438	00439	00440	00441	00442	00443	00444	00445	00446	00447	00448	00449	00450	* TOTALS
Olfactory Epithelium, Metaplasia	2			2	1	2	2		1	1	2				1	2	1	1					2	2	2	**31 1.6**
Olfactory Epithelium, Mineralization			1			1					2						1		1	3	2					**12 1.5**
Respiratory Epithelium, Hyperplasia						2																				**3 2.7**
Respiratory Epithelium, Inflammation, Chronic		1		1	1				1	1			1					1				2		1		**18 1.2**
Pleura																						+				**3**
Fibrosis																										**1 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Anterior Chamber, Edema																										**1 4.0**
Lens, Cataract	1										3		1							4					2	**10 2.4**
Retina, Atrophy											3		1													**5 2.4**
Sclera, Metaplasia, Osseous											2														3	**3 2.3**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Lymphocyte																										**1 2.0**
Inflammation, Chronic																				1						**2 1.5**
Zymbal's Gland																									1	

URINARY SYSTEM

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FISCHER 344 RATS MALE
60 PPM

DAY ON TEST	0729	0729	0662	0642	0730	0689	0729	0600	0662	0729	0718	0729	0730	0621	0730	0691	0698	0730	0480	0483	0523	0729	0729	0689	0647	
ANIMAL ID	00426	00427	00428	00429	00430	00431	00432	00433	00434	00435	00436	00437	00438	00439	00440	00441	00442	00443	00444	00445	00446	00447	00448	00449	00450	* TOTALS
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Infiltration Cellular, Lymphocyte																										**1 3.0**
Nephropathy, Chronic	4	1	3	4	2	3	4	2	3		3	4	4	3	2	3	2	3	3	2	1	4	3	2	4	**48 3.0**
Artery, Necrosis																										**1 3.0**
Cortex, Renal Tubule, Accumulation, Hyaline Droplet																										**1 3.0**
Medulla, Casts																4										**1 4.0**
Papilla, Mineralization	1				1		1			1								1								**10 1.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Calculus Micro Observation Only																										**1**
Transitional Epithelium, Hyperplasia				2																						**2 2.0**

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DAY ON TEST	064 7	061 4	056 6	073 0	072 9	061 9	073 0	073 0	057 7	072 9	070 3	065 4	072 9	072 9	073 0	061 9	072 9	073 0	072 5	073 0	072 2	072 9	073 0	073 0	072 9
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
120 PPM	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625
males (cont...)																									
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Basophilic Focus, Multiple	X									1															X
Clear Cell Focus					1																				
Clear Cell Focus, Multiple							2							3											3
Degeneration, Cystic																									
Hemorrhage																									
Hepatodiaphragmatic Nodule				4																				4	
Mixed Cell Focus																								1	
Vacuolization Cytoplasmic	1	2		2		3															2				
Bile Duct, Hyperplasia							2				1						1			1					

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DAY ON TEST	0647	0614	0566	0730	0729	0619	0730	0730	0577	0729	0703	0654	0729	0729	0730	0619	0729	0730	0725	0730	0722	0729	0730	0730	0729
FISCHER 344 RATS MALE ANIMAL ID	0006001	0006002	0006003	0006004	0006005	0006006	0006007	0006008	0006009	0006010	0006011	0006012	0006013	0006014	0006015	0006016	0006017	0006018	0006019	0006020	0006021	0006022	0006023	0006024	0006025
120 PPM																									**males (cont...)**
Centrilobular, Degeneration			3																						
Periportal, Inflammation, Chronic		2		2																					
Mesentery				+	+	+						+		+					+			+		+	+
Hemorrhage						2																			
Necrosis				3	2	3						3		1					1			2		3	3
Fat, Hemorrhage																			1						
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy																				3	3				
Artery, Inflammation		4																							
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion																									
Ulcer			3																						
Tongue																									
Epithelium, Hyperplasia																									
CARDIOVASCULAR SYSTEM																									
Blood Vessel		+																							
Inflammation, Chronic Active		4																							

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FISCHER 344 RATS MALE

120 PPM

males (cont...)

DAY ON TEST	0647	0614	0566	0730	0729	0619	0730	0730	0577	0729	0703	0654	0729	0729	0730	0619	0729	0730	0725	0730	0722	0729	0730	0730	0729
ANIMAL ID	00601	00602	00603	00604	00605	00606	00607	00608	00609	00610	00611	00612	00613	00614	00615	00616	00617	00618	00619	00620	00621	00622	00623	00624	00625
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	1	3	1		1	2	2			1	2		1	1	1		1					2			2
Atrium, Thrombosis			4															4							
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia						2	1								2						4	1	1	4	
Vacuolization Cytoplasmic	1				1	2					1			2		1	1	1			4				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia			3							1	1							4	2	1	4		2		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage				2								3													
Hyperplasia							1		3			3				2									
Pars Intermedia, Cyst							3																		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia							3	1		2		3												2	
Follicular Cell, Hyperplasia																									

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FISCHER 344 RATS MALE
120 PPM
males (cont...)

DAY ON TEST	0647	0614	0566	0730	0729	0619	0730	0730	0577	0729	0703	0654	0729	0729	0730	0619	0729	0730	0725	0730	0722	0729	0730	0730	0729
ANIMAL ID	00601	00602	00603	00604	00605	00606	00607	00608	00609	00610	00611	00612	00613	00614	00615	00616	00617	00618	00619	00620	00621	00622	00623	00624	00625
GENERAL BODY SYSTEM																									
Peritoneum			+																	+					
GENITAL SYSTEM																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Necrosis, Fatty											2														
Preputial Gland	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																			3	3					
Inflammation, Suppurative																					3				
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia								1									1							2	
Inflammation, Suppurative	1		1	1	1					2	3		2	1	2	2		1	2		3	1	1	2	
Inflammation, Chronic																									
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																							2		
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization															3										
Artery, Inflammation, Chronic Active						3																			
Germinal Epithelium, Atrophy		2	3	1	4		2	2	2	2	3	4	1	2	4	2	2	2	2	4	1	2	2	3	2
Interstitial Cell, Hyperplasia				3																	2				

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FISCHER 344 RATS MALE
120 PPM
males (cont...)

DAY ON TEST	0647	0614	0566	0730	0729	0619	0730	0730	0577	0729	0703	0654	0729	0729	0730	0619	0729	0730	0725	0730	0722	0729	0730	0730	0729
ANIMAL ID	0006001	0006002	0006003	0006004	0006005	0006006	0006007	0006008	0006009	0006010	0006011	0006012	0006013	0006014	0006015	0006016	0006017	0006018	0006019	0006020	0006021	0006022	0006023	0006024	0006025
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node				+																					
Pancreatic, Hyperplasia, Lymphoid				2																					
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M
Hemorrhage																									
Hyperplasia, Lymphoid																								4	
Infiltration Cellular, Histiocyte																									
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mediastinal	+	+	M	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	M	M	+	+	M	+
Ectasia						3																			
Hemorrhage													3												
Hyperplasia, Lymphoid																									4
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation																									
Hemorrhage																									
Thymus	+	+	M	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	M	M	+	+	M	+
Ectopic Thyroid																	2								

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2) Mild 4) Marked

DAY ON TEST	064 7	061 4	056 6	073 0	072 9	061 9	073 0	073 0	057 7	072 9	070 3	065 4	072 9	072 9	073 0	061 9	072 9	073 0	072 5	073 0	072 2	072 9	073 0	073 0	072 9
FISCHER 344 RATS MALE ANIMAL ID	000 601	000 602	000 603	000 604	000 605	000 606	000 607	000 608	000 609	000 610	000 611	000 612	000 613	000 614	000 615	000 616	000 617	000 618	000 619	000 620	000 621	000 622	000 623	000 624	000 625
120 PPM																									**males (cont...)**
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion											4														
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression	3																								
Hemorrhage																									
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body				4			4														4				
Inflammation, Suppurative				1		1	1														1				
Epiglottis, Metaplasia, Squamous																					1				

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FISCHER 344 RATS MALE
120 PPM
males (cont...)

DAY ON TEST	0647	0614	0566	0730	0729	0619	0730	0730	0577	0729	0703	0654	0729	0729	0730	0619	0729	0730	0725	0730	0722	0729	0730	0730	0729
ANIMAL ID	0006001	0006002	0006003	0006004	0006005	0006006	0006007	0006008	0006009	0006010	0006011	0006012	0006013	0006014	0006015	0006016	0006017	0006018	0006019	0006020	0006021	0006022	0006023	0006024	0006025
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage					2																				
Inflammation, Chronic										2	1														
Alveolar Epithelium, Hyperplasia					4				1	3		1				4		4			3		1		
Alveolar Epithelium, Metaplasia, Squamous																									
Alveolar Epithelium, Metaplasia, Mucous																					2				
Alveolus, Emphysema																									
Alveolus, Foreign Body							X																		
Alveolus, Infiltration Cellular, Histiocyte			1						2	1	1		1							1			2		
Alveolus, Proteinosis										3											4				
Artery, Mineralization						2																			
Bronchiole, Hyperplasia																1									
Bronchiole, Inflammation, Suppurative																			3						
Bronchiole, Glands, Degeneration, Mucoid																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body						3		3																	
Inflammation, Suppurative						2		1																	
Glands, Dilatation				2			1			2	1				2		1			2	4	2			
Olfactory Epithelium, Atrophy																									
Olfactory Epithelium, Degeneration	2	2	2		2	2	2	3	1	2		2	2	3		2	2	2	1	2	2	2	2	2	2
Olfactory Epithelium, Hyperplasia, Basal Cell	2	2	3	2	1	1	2	3	2	2	1	2	3	2	2	2	2	3	2	2	3	3	3	2	3
Olfactory Epithelium, Inflammation, Suppurative	1			1					1	1			3		3										2
Olfactory Epithelium, Metaplasia				2	1		1	2		1	1		2	2	2	1	2	2	2	2	2	2	2	2	3
Olfactory Epithelium, Mineralization	1	1		1				1				2			1		2						2		
Respiratory Epithelium, Hyperplasia			1					2																	
Respiratory Epithelium, Inflammation,	1							1			1				1			1		1					

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FISCHER 344 RATS MALE
120 PPM
males (cont...)

DAY ON TEST	0647	0614	0566	0730	0729	0619	0730	0730	0577	0729	0703	0654	0729	0729	0730	0619	0729	0730	0725	0730	0722	0729	0730	0730	0729
ANIMAL ID	00601	00602	00603	00604	00605	00606	00607	00608	00609	00610	00611	00612	00613	00614	00615	00616	00617	00618	00619	00620	00621	00622	00623	00624	00625
Chronic																									
Pleura			+		+					+										+		+			
Fibrosis					1															1					
Inflammation, Chronic																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cornea, Inflammation, Suppurative																									
Cornea, Mineralization			1																						
Lens, Cataract	2		4		1								1		2										
Retina, Atrophy	3		4												3										
Sclera, Metaplasia, Osseous			2												3						2		2		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic				2				3																	
Zymbal's Gland																+									
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy, Chronic	4	4	3	3	3	4	4	4	3	4	4	3	4	4	4	4	4	3	4	3	4	3	3	4	4
Cortex, Renal Tubule, Dilatation																								1	

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FISCHER 344 RATS MALE ANIMAL ID	0006001	0006002	0006003	0006004	0006005	0006006	0006007	0006008	0006009	0006010	0006011	0006012	0006013	0006014	0006015	0006016	0006017	0006018	0006019	0006020	0006021	0006022	0006023	0006024	0006025
120 PPM																									**males (cont...)**
Cortex, Renal Tubule, Hyperplasia																					3			4	
Papilla, Mineralization	1				1			1			1	1			1	3			1						1
Pelvis, Transitional Epithelium, Dilatation																								1	
Pelvis, Transitional Epithelium, Hyperplasia						2																2			1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																								2	
Transitional Epithelium, Hyperplasia																								2	

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DAY ON TEST	0730	0701	0730	0586	0484	0687	0730	0695	0674	0730	0663	0730	0729	0730	0729	0729	0483	0729	0689	0730	0381	0708	0641	0729	0729
FISCHER 344 RATS MALE ANIMAL ID	00626	00627	00628	00629	00630	00631	00632	00633	00634	00635	00636	00637	00638	00639	00640	00641	00642	00643	00644	00645	00646	00647	00648	00649	00650	*** TOTALS**
120 PPM																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	**49**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	**48**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	**49**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis		4																	2							**1 4.0**
Basophilic Focus, Multiple				4			4						1												2	**3 2.0**
Clear Cell Focus			3											1						1						**6 2.2**
Clear Cell Focus, Multiple	3										2	1														**7 2.3**
Degeneration, Cystic													1													**2 1.5**
Hemorrhage												4													4	**4 4.0**
Hepatodiaphragmatic Nodule																										**1 1.0**
Mixed Cell Focus						1		1	2																	**8 1.8**
Vacuolization Cytoplasmic			1			2				1								1		1						**9 1.2**
Bile Duct, Hyperplasia																										

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FISCHER 344 RATS MALE

120 PPM

DAY ON TEST	0730	0701	0730	0586	0484	0687	0730	0695	0674	0730	0663	0730	0729	0730	0729	0729	0483	0729	0689	0730	0730	0381	0708	0641	0729	0729	
ANIMAL ID	00626	00627	00628	00629	00630	00631	00632	00633	00634	00635	00636	00637	00638	00639	00640	00641	00642	00643	00644	00645	00646	00647	00648	00649	00650		* TOTALS
Centrilobular, Degeneration				3																							2 3.0
Periportal, Inflammation, Chronic			2				2													1							5 1.8
Mesentery										+															+	11	
Hemorrhage																											1 2.0
Necrosis										3															2		11 2.4
Fat, Hemorrhage																											1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Acinus, Atrophy		1							3						3												5 2.6
Artery, Inflammation																											1 4.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Ulcer								4	4																		2 4.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Erosion											1																1 1.0
Ulcer																											1 3.0
Tongue																							+			1	
Epithelium, Hyperplasia																							3				1 3.0

CARDIOVASCULAR SYSTEM

Blood Vessel																										1	
Inflammation, Chronic Active																											1 4.0

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FISCHER 344 RATS MALE ANIMAL ID	00626	00627	00628	00629	00630	00631	00632	00633	00634	00635	00636	00637	00638	00639	00640	00641	00642	00643	00644	00645	00646	00647	00648	00649	00650	*** TOTALS**
120 PPM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2		1	1	1		1	2	1	1	1	1		1	1	1		3		1		2		2	1	**32 1.4**
Atrium, Thrombosis				4																						**3 4.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia						3		2						1	1			2	2	1						**14 1.9**
Vacuolization Cytoplasmic	1	2							2	1	1				1											**15 1.5**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia		2							2	2						1		2								**13 2.1**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	**48**
Pituitary Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hemorrhage	2	4																								**4 2.8**
Hyperplasia				3									4													**6 2.7**
Pars Intermedia, Cyst																										**1 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia										1		1			3	1								2		**10 1.9**
Follicular Cell, Hyperplasia															1											**1 1.0**

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FISCHER 344 RATS MALE ANIMAL ID	0006626	0006627	0006628	0006629	0006630	0006631	0006632	0006633	0006634	0006635	0006636	0006637	0006638	0006639	0006640	0006641	0006642	0006643	0006644	0006645	0006646	0006647	0006648	0006649	0006650	*** TOTALS**
120 PPM																										
GENERAL BODY SYSTEM																										
Peritoneum				+																						**3**
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Necrosis, Fatty																										**1 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia																				4						**3 3.3**
Inflammation, Suppurative																										**1 3.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia						1																1				**5 1.2**
Inflammation, Suppurative	1	2		1	1	2		2	1	2	1			1	1	2	1	1	1	2			1	2		**34 1.5**
Inflammation, Chronic			3																							**1 3.0**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																										**1 2.0**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineralization																										**1 3.0**
Artery, Inflammation, Chronic Active								2																		**2 2.5**
Germinal Epithelium, Atrophy	2	4	2	2		2	2		2	3	3	2	2	2	1	2		3	2	2		2	2	2	2	**44 2.3**
Interstitial Cell, Hyperplasia																					1					**3 2.0**

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FISCHER 344 RATS MALE ANIMAL ID	00626	00627	00628	00629	00630	00631	00632	00633	00634	00635	00636	00637	00638	00639	00640	00641	00642	00643	00644	00645	00646	00647	00648	00649	00650	*** TOTALS**
120 PPM																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lymph Node																										**1**
Pancreatic, Hyperplasia, Lymphoid																										**1 2.0**
Lymph Node, Bronchial	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	+	**4**
Hemorrhage																									1	**1 1.0**
Hyperplasia, Lymphoid																										**1 4.0**
Infiltration Cellular, Histiocyte								3																		**1 3.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**
Lymph Node, Mediastinal	+	+	M	+	+	+	M	M	M	M	+	M	M	+	M	M	+	+	M	M	+	+	+	M	M	**31**
Ectasia																										**1 3.0**
Hemorrhage				2																						**2 2.5**
Hyperplasia, Lymphoid																										**1 4.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation						3																				**1 3.0**
Hemorrhage																							4			**1 4.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	**43**
Ectopic Thyroid																										**1 2.0**

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2) Mild 4) Marked

	DAY ON TEST	0730	0701	0730	0586	0484	0687	0730	0695	0674	0730	0663	0730	0729	0730	0729	0729	0483	0729	0689	0730	0381	0708	0641	0729	0729	
FISCHER 344 RATS MALE	ANIMAL ID	00626	00627	00628	00629	00630	00631	00632	00633	00634	00635	00636	00637	00638	00639	00640	00641	00642	00643	00644	00645	00646	00647	00648	00649	00650	*** TOTALS**
120 PPM																											
INTEGUMENTARY SYSTEM																											
Mammary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Galactocele												1								1							**2 1.0**
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion							4			4																	**3 4.0**
MUSCULOSKELETAL SYSTEM																											
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																											
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression																	3			1					2		**4 2.3**
Hemorrhage						3												3									**2 3.0**
RESPIRATORY SYSTEM																											
Larynx		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																											**3 4.0**
Inflammation, Suppurative					1		1																	2			**7 1.1**
Epiglottis, Metaplasia, Squamous																											**1 1.0**

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1) Minimal 3) Moderate
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FISCHER 344 RATS MALE
120 PPM

DAY ON TEST	0730	0701	0730	0586	0484	0687	0730	0695	0674	0730	0663	0730	0729	0730	0729	0729	0483	0729	0689	0730	0381	0708	0641	0729	0729	
ANIMAL ID	00626	00627	00628	00629	00630	00631	00632	00633	00634	00635	00636	00637	00638	00639	00640	00641	00642	00643	00644	00645	00646	00647	00648	00649	00650	*** TOTALS**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage													1										2			**3 1.7**
Inflammation, Chronic			2	1						1					2			2		2				2		**9 1.7**
Alveolar Epithelium, Hyperplasia		4	3	1					2		3		3							4						**15 2.7**
Alveolar Epithelium, Metaplasia, Squamous		2																								**1 2.0**
Alveolar Epithelium, Metaplasia, Mucous		4																								**2 3.0**
Alveolus, Emphysema							2																			**1 2.0**
Alveolus, Foreign Body			1																							**2 1.0**
Alveolus, Infiltration Cellular, Histiocyte	2			1			2		2	1							1	1	1							**15 1.3**
Alveolus, Proteinosis			3																	3						**4 3.3**
Artery, Mineralization																										**1 2.0**
Bronchiole, Hyperplasia																										**1 1.0**
Bronchiole, Inflammation, Suppurative																										**1 3.0**
Bronchiole, Glands, Degeneration, Mucoid										2					2			1		1						**4 1.5**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body			3																							**3 3.0**
Inflammation, Suppurative			2			2																				**4 1.8**
Glands, Dilatation	2	3						2				1		1		1						1				**16 1.8**
Olfactory Epithelium, Atrophy																	3									**1 3.0**
Olfactory Epithelium, Degeneration	3	1	2	1			2		2	1	2	2	1	2	3	1	3	2		2		2	2	2	2	**42 2.0**
Olfactory Epithelium, Hyperplasia, Basal Cell	2	3	2		3	1	2	1	1	1	2	2	2	2	2	1	2	2	1	1	1		1	2	2	**48 2.0**
Olfactory Epithelium, Inflammation, Suppurative														2	3									2		**10 1.9**
Olfactory Epithelium, Metaplasia	3	2	2		1	1	2			2		2	2	2	2	2		2	2	2	1			2	2	**37 1.8**
Olfactory Epithelium, Mineralization	1								1		1	1			2				1			1	1		2	**17 1.3**
Respiratory Epithelium, Hyperplasia						1																				**3 1.3**
Respiratory Epithelium, Inflammation,	2									1	1	1			1	1	1		1	1					2	**16 1.1**

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FISCHER 344 RATS MALE
120 PPM

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ANIMAL ID	00626	00627	00628	00629	00630	00631	00632	00633	00634	00635	00636	00637	00638	00639	00640	00641	00642	00643	00644	00645	00646	00647	00648	00649	00650	*** TOTALS**
Chronic																										
Pleura			+						+							+		+						+		**10**
Fibrosis																										**2 1.0**
Inflammation, Chronic									2																	**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cornea, Inflammation, Suppurative																1										**1 1.0**
Cornea, Mineralization																										**1 1.0**
Lens, Cataract								1				1	1			1				1						**10 1.5**
Retina, Atrophy																3										**4 3.3**
Sclera, Metaplasia, Osseous								2												2		2				**7 2.1**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic													1													**3 2.0**
Zymbal's Gland																										**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Nephropathy, Chronic	4	4	3	3	2	3	3	4	4	3	4	3	3	3	4	3	1	4	3	2	1	2	3	4	4	**50 3.4**
Cortex, Renal Tubule, Dilatation																										**1 1.0**

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FISCHER 344 RATS MALE ANIMAL ID	00626	00627	00628	00629	00630	00631	00632	00633	00634	00635	00636	00637	00638	00639	00640	00641	00642	00643	00644	00645	00646	00647	00648	00649	00650	*** TOTALS**
120 PPM																										
Cortex, Renal Tubule, Hyperplasia		4																								**3 3.7**
Papilla, Mineralization	1	1	1			1							1	1	2					1					1	**18 1.2**
Pelvis, Transitional Epithelium, Dilatation																										**1 1.0**
Pelvis, Transitional Epithelium, Hyperplasia											2				3			1							1	**7 1.7**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																										**1 2.0**
Transitional Epithelium, Hyperplasia																										**1 2.0**

*** END OF MALE DATA ***

DAY ON TEST	0682	0732	0691	0731	0523	0420	0731	0732	0732	0731	0591	0628	0730	0731	0675	0730	0677	0522	0038	0717	0731	0732	0730	0730	0717
FISCHER 344 RATS FEMALE ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125
CONTROL																									**females (cont...)**
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																							3		
Basophilic Focus									2				1	1							3				1
Basophilic Focus, Multiple							1	2				X										1			
Clear Cell Focus		1									2		1										3		
Clear Cell Focus, Multiple																				2					
Hepatodiaphragmatic Nodule								4											4		4				
Necrosis																									3
Vacuolization Cytoplasmic				2		2									2			1							
Bile Duct, Hyperplasia	2								2																

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DAY ON TEST	0682	0732	0691	0731	0523	0420	0731	0732	0732	0731	0591	0628	0730	0731	0675	0730	0677	0522	0038	0717	0731	0732	0730	0730	0717
FISCHER 344 RATS FEMALE ANIMAL ID	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0011	0011	0011	0011	0011	0011	0011	0011	0011	0012	0012	0012	0012	0012	0012
CONTROL	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
females (cont...)																									
Mesentery	+			+														+				+			
Necrosis	2			2														1				3			
Oral Mucosa			+																						
Pharyngeal, Hyperplasia, Squamous			4																						
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy																1									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Squamous											2														
Inflammation, Suppurative											2							2							
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer	3																								
Tongue																									
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy				1		1		1		1			1	1		1	1							1	3
Atrium, Thrombosis																					3				
Pericardium, Fibrosis																3									
Pericardium, Infiltration Cellular, Mixed Cell																2									

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FISCHER 344 RATS FEMALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**females (cont...)**
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																					2				
Hyperplasia	2						2								4	4							3	3	
Vacuolization Cytoplasmic						2									2										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia														1											
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		3																							
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									3
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst							1		4																
Hyperplasia																					4		4		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia	1	1		1	1		1		1			4	1	1						1		1	2	1	4
Follicular Cell, Hyperplasia																									
GENERAL BODY SYSTEM																									
NONE																									

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FISCHER 344 RATS FEMALE
CONTROL

DAY ON TEST	0682	0732	0691	0731	0523	0420	0731	0732	0732	0731	0591	0628	0730	0731	0675	0730	0677	0522	0038	0717	0731	0732	0730	0730	0717
ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst			4																	2					
Hyperplasia			4																	3	2				
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst		4																4							
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Decidual Reaction																						4			
Hemorrhage																									
Endometrium, Hyperplasia																	1								
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node				+																					
Pancreatic, Infiltration Cellular, Histiocyte																									
Lymph Node, Bronchial	M	M	M	M	+	+	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mediastinal	M	+	+	M	+	+	M	M	+	+	+	+	+	M	+	M	+	+	+	M	+	M	M	+	+

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FISCHER 344 RATS FEMALE ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125
CONTROL																									**females (cont...)**
Angiectasis																									4
Hyperplasia, Lymphoid																		2							
Inflammation, Chronic																									3
Pigmentation																		2							
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																									
Hematopoietic Cell Proliferation			4															3							
Necrosis						4																			
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																				3					
Subcutaneous Tissue, Inflammation, Chronic																				2					
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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FISCHER 344 RATS FEMALE ANIMAL ID	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0011	0011	0011	0011	0011	0011	0011	0011	0011	0012	0012	0012	0012	0012	0012
CONTROL	0101	0102	0103	0104	0105	0106	0107	0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0118	0119	0120	0121	0122	0123	0124	0125
females (cont...)																									
Skeletal Muscle																									
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression	3			3				3			3				3					3					4
Hemorrhage															2										
Thrombosis						4																			
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																									
Inflammation, Suppurative															2										
Respiratory Epithelium, Hyperplasia																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																					3				
Inflammation, Chronic				2									2											1	
Alveolar Epithelium, Hyperplasia				3										1											
Alveolar Epithelium, Metaplasia, Squamous			3																						
Alveolus, Infiltration Cellular, Histiocyte				2					3		2	1	1			4								1	
Alveolus, Pigmentation																4									
Bronchiole, Hyperplasia																									
Bronchiole, Glands, Degeneration, Mucoid																									

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2) Mild 4) Marked

DAY ON TEST	0682	0732	0691	0731	0523	0420	0731	0732	0732	0731	0591	0628	0730	0731	0675	0730	0677	0522	0038	0717	0731	0732	0730	0730	0717
FISCHER 344 RATS FEMALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**females (cont...)**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																									
Inflammation, Suppurative							2					1		1									1		
Nasolacrimal Duct, Inflammation, Suppurative																3							3		
Olfactory Epithelium, Degeneration, Hyaline								1									1								
Respiratory Epithelium, Degeneration, Hyaline																									
Respiratory Epithelium, Hyperplasia												2		2		1					2		1		
Respiratory Epithelium, Inflammation, Chronic																					2				
Pleura				+									+			+									
Infiltration Cellular, Histiocyte																4									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cornea, Inflammation																		2							
Lens, Cataract				4																					2
Retina, Atrophy				3									2												2
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																									

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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DAY ON TEST	0682	0732	0691	0731	0523	0420	0731	0732	0732	0731	0591	0628	0730	0731	0675	0730	0677	0522	0038	0717	0731	0732	0730	0730	0717
FISCHER 344 RATS FEMALE ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125
CONTROL																									**females (cont...)**
Zymbal's Gland																		+							
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy, Chronic	2	2		3			1	1	1	1	1	2	2	1	1	1	1			2	1	1	3	1	2
Cortex, Infarct, Multiple																					3				
Cortex, Renal Tubule, Accumulation, Hyaline Droplet																									
Papilla, Mineralization		1					1	1	1	1	1		1							1	1	1		1	2
Pelvis, Mineralization																									
Pelvis, Transitional Epithelium, Mineralization	1											3													
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	07 31	07 32	07 31	07 32	05 82	07 32	06 24	07 31	07 31	07 31	07 31	07 31	07 32	07 30	06 66	07 31	06 97	07 31	06 48	06 80	07 32	07 31	06 81	07 31	07 32	
FISCHER 344 RATS FEMALE ANIMAL ID	00 12 6	00 12 7	00 12 8	00 12 9	00 13 0	00 13 1	00 13 2	00 13 3	00 13 4	00 13 5	00 13 6	00 13 7	00 13 8	00 13 9	00 14 0	00 14 1	00 14 2	00 14 3	00 14 4	00 14 5	00 14 6	00 14 7	00 14 8	00 14 9	00 15 0	*** TOTALS**
CONTROL																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	**49**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	**49**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																		1						1		**1 3.0**
Basophilic Focus																										**7 1.4**
Basophilic Focus, Multiple	1		1	1	X	1	2	1			1	2	3	2		1					1				1	**18 1.4**
Clear Cell Focus		2																1								**6 1.7**
Clear Cell Focus, Multiple					2	X		1		2	1						1					2			2	**9 1.6**
Hepatodiaphragmatic Nodule													4												4	**5 4.0**
Necrosis																	3									**2 3.0**
Vacuolization Cytoplasmic							3								2											**6 2.0**
Bile Duct, Hyperplasia																										**2 2.0**

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DAY ON TEST	07 31	07 32	07 31	07 32	05 82	07 32	06 24	07 31	07 31	07 31	07 31	07 31	07 32	07 30	06 66	07 31	06 97	07 31	06 48	06 80	07 32	07 31	06 81	07 31	07 32	
FISCHER 344 RATS FEMALE ANIMAL ID	00 12 6	00 12 7	00 12 8	00 12 9	00 13 0	00 13 1	00 13 2	00 13 3	00 13 4	00 13 5	00 13 6	00 13 7	00 13 8	00 13 9	00 14 0	00 14 1	00 14 2	00 14 3	00 14 4	00 14 5	00 14 6	00 14 7	00 14 8	00 14 9	00 15 0	*** TOTALS**	
CONTROL																										
Mesentery	+			+										+				+		+					+	**10**	
Necrosis	1			2										3				2		2					3		**10 2.1**
Oral Mucosa																										**1**	
Pharyngeal, Hyperplasia, Squamous																											**1 4.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Acinus, Atrophy																	3										**2 2.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia, Squamous																											**1 2.0**
Inflammation, Suppurative																											**2 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Ulcer																											**1 3.0**
Tongue															+											**1**	
CARDIOVASCULAR SYSTEM																											
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy	1			1		1		1		1	1	1		1				2			2	2			2		**22 1.3**
Atrium, Thrombosis																											**1 3.0**
Pericardium, Fibrosis																											**1 3.0**
Pericardium, Infiltration Cellular, Mixed Cell																											**1 2.0**

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DAY ON TEST	073 1	073 2	073 1	073 2	058 2	073 2	062 4	073 1	073 1	073 1	073 1	073 1	073 2	073 0	066 6	073 1	069 7	073 1	064 8	068 0	073 2	073 1	068 1	073 1	073 2	
FISCHER 344 RATS FEMALE ANIMAL ID	001 26	001 27	001 28	001 29	001 30	001 31	001 32	001 33	001 34	001 35	001 36	001 37	001 38	001 39	001 40	001 41	001 42	001 43	001 44	001 45	001 46	001 47	001 48	001 49	001 50	*** TOTALS**
CONTROL																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage					2													2								**3 2.0**
Hyperplasia		4			2								3	4				4	4				4		2	**14 3.2**
Vacuolization Cytoplasmic						2									1											**4 1.8**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																										**1 1.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																										**1 3.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hyperplasia																										**1 3.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	**49**	
Cyst												4														**3 3.0**
Hyperplasia			2			2	3																			**5 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
C-cell, Hyperplasia	2	1		1			1	2					1	2		1		1		1	1	1		1		**27 1.4**
Follicular Cell, Hyperplasia										2																**1 2.0**
GENERAL BODY SYSTEM																										
NONE																										

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DAY ON TEST	073 1	073 2	073 1	073 2	058 2	073 2	062 4	073 1	073 1	073 1	073 1	073 1	073 2	073 0	066 6	073 1	069 7	073 1	064 8	068 0	073 2	073 1	068 1	073 1	073 2	
FISCHER 344 RATS FEMALE ANIMAL ID	0001 26	0001 27	0001 28	0001 29	0001 30	0001 31	0001 32	0001 33	0001 34	0001 35	0001 36	0001 37	0001 38	0001 39	0001 40	0001 41	0001 42	0001 43	0001 44	0001 45	0001 46	0001 47	0001 48	0001 49	0001 50	*** TOTALS**
CONTROL																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**2 3.0**
Hyperplasia																	4									**4 3.3**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst	4	4					2															4				**6 3.7**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Decidual Reaction																										**1 4.0**
Hemorrhage																	4									**1 4.0**
Endometrium, Hyperplasia						1																				**2 1.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lymph Node					+			+									+									**4**
Pancreatic, Infiltration Cellular, Histiocyte								4																		**1 4.0**
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**3**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**
Lymph Node, Mediastinal	M	M	M	+	+	+	M	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	M	M	+	**33**

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DAY ON TEST	0731	0732	0731	0732	0582	0732	0624	0731	0731	0731	0731	0731	0732	0730	0666	0731	0697	0731	0648	0680	0732	0731	0681	0731	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0012	0012	0012	0012	0013	0013	0013	0013	0013	0013	0013	0013	0013	0013	0014	0014	0014	0014	0014	0014	0014	0014	0014	0014	0015	
CONTROL	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
Angiectasis																										**1 4.0**
Hyperplasia, Lymphoid														4												**2 3.0**
Inflammation, Chronic																										**1 3.0**
Pigmentation														4												**2 3.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis						2																				**1 2.0**
Hematopoietic Cell Proliferation																										**2 3.5**
Necrosis																							4			**2 4.0**
Thymus	+	+	+	+	+	+	+	+	+	M	M	+	+	+	M	+	+	+	+	+	+	M	+	+	+	**44**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Galactocele																						1				**1 1.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer																										**1 3.0**
Subcutaneous Tissue, Inflammation, Chronic																										**1 2.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	07 31	07 32	07 31	07 32	05 82	07 32	06 24	07 31	07 31	07 31	07 31	07 31	07 32	07 30	06 66	07 31	06 97	07 31	06 48	06 80	07 32	07 31	06 81	07 31	07 32	
FISCHER 344 RATS FEMALE ANIMAL ID	00 12 6	00 12 7	00 12 8	00 12 9	00 13 0	00 13 1	00 13 2	00 13 3	00 13 4	00 13 5	00 13 6	00 13 7	00 13 8	00 13 9	00 14 0	00 14 1	00 14 2	00 14 3	00 14 4	00 14 5	00 14 6	00 14 7	00 14 8	00 14 9	00 15 0	*** TOTALS**
CONTROL																										
Skeletal Muscle																	+									**1**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression	3																		3	3					3	**11 3.1**
Hemorrhage																								1		**2 1.5**
Thrombosis																										**1 4.0**
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body				4		4													4							**3 4.0**
Inflammation, Suppurative	1			1						1								1	1							**6 1.2**
Respiratory Epithelium, Hyperplasia						1				2									1							**3 1.3**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage														3												**2 3.0**
Inflammation, Chronic	2					1		1	1	2				3		1		2						1		**12 1.6**
Alveolar Epithelium, Hyperplasia									1					1		1									4	**6 1.8**
Alveolar Epithelium, Metaplasia, Squamous																										**1 3.0**
Alveolus, Infiltration Cellular, Histiocyte	2					1		1	1	3	1		1	2		1				1	1	1		1	1	**21 1.5**
Alveolus, Pigmentation																										**1 4.0**
Bronchiole, Hyperplasia										1																**1 1.0**
Bronchiole, Glands, Degeneration, Mucoid						1												1								**2 1.0**

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FISCHER 344 RATS FEMALE ANIMAL ID	00 12 6	00 12 7	00 12 8	00 12 9	00 13 0	00 13 1	00 13 2	00 13 3	00 13 4	00 13 5	00 13 6	00 13 7	00 13 8	00 13 9	00 14 0	00 14 1	00 14 2	00 14 3	00 14 4	00 14 5	00 14 6	00 14 7	00 14 8	00 14 9	00 15 0	*** TOTALS**
CONTROL																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																		3								**1 3.0**
Inflammation, Suppurative	1				1							2														**7 1.3**
Nasolacrimal Duct, Inflammation, Suppurative												2														**3 2.7**
Olfactory Epithelium, Degeneration, Hyaline																				1						**3 1.0**
Respiratory Epithelium, Degeneration, Hyaline						1																				**1 1.0**
Respiratory Epithelium, Hyperplasia	1				2																					**7 1.6**
Respiratory Epithelium, Inflammation, Chronic																										**1 2.0**
Pleura	+					+		+		+										+				+		**9**
Infiltration Cellular, Histiocyte																										**1 4.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	**49**
Cornea, Inflammation																										**1 2.0**
Lens, Cataract																										**2 3.0**
Retina, Atrophy												1														**4 2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic	1										1															**2 1.0**

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DAY ON TEST	073 1	073 2	073 1	073 2	058 2	073 2	062 4	073 1	073 1	073 1	073 1	073 1	073 2	073 0	066 6	073 1	069 7	073 1	064 8	068 0	073 2	073 1	068 1	073 1	073 2	
FISCHER 344 RATS FEMALE ANIMAL ID	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	000 1	
CONTROL	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	*** TOTALS**
Zymbal's Gland																										**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Nephropathy, Chronic	1	3	1	1		1	1	3	1	1	1	1	1			1		1	3	3		3	3	1	3	**40 1.6**
Cortex, Infarct, Multiple																										**1 3.0**
Cortex, Renal Tubule, Accumulation, Hyaline Droplet					3																					**1 3.0**
Papilla, Mineralization	1		1	1			1	1	1		1	1	1	1		1	2	1		1		2		2		**28 1.1**
Pelvis, Mineralization															1											**1 1.0**
Pelvis, Transitional Epithelium, Mineralization																										**2 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	07 25	05 56	07 32	07 31	07 31	07 32	04 38	07 32	07 31	07 31	07 31	05 16	07 31	06 80	07 32	07 32	07 30	07 31	07 32	07 31	07 31	07 03	07 12	07 30	07 31	
FISCHER 344 RATS FEMALE ANIMAL ID	00 30 1	00 30 2	00 30 3	00 30 4	00 30 5	00 30 6	00 30 7	00 30 8	00 30 9	00 31 0	00 31 1	00 31 2	00 31 3	00 31 4	00 31 5	00 31 6	00 31 7	00 31 8	00 31 9	00 32 0	00 32 1	00 32 2	00 32 3	00 32 4	00 32 5	**females (cont...)**
30 PPM																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis															2				4				4			
Basophilic Focus															1	3		1								
Basophilic Focus, Multiple		X				X		X									1			1	1					
Clear Cell Focus	1				X									2												
Clear Cell Focus, Multiple																						1				
Hepatodiaphragmatic Nodule													4						4							
Mixed Cell Focus, Multiple																			1							
Vacuolization Cytoplasmic																							4			
Periportal, Inflammation, Chronic																			2							

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DAY ON TEST	0725	0556	0732	0731	0731	0732	0438	0732	0731	0731	0731	0516	0731	0680	0732	0732	0730	0731	0732	0731	0731	0703	0712	0730	0731
FISCHER 344 RATS FEMALE ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325
30 PPM																									**females (cont...)**
Mesentery	+					+	+		+		+		+	+	+		+	+							
Necrosis	3					3	3		3		3		3	3	3		3	3							
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Inflammation, Chronic																									
Acinus, Atrophy																		2							
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Hyperplasia						4																			
Tongue						+																			
Epithelium, Hyperplasia						3																			
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy				1		1		1		1	1		2	1		1	2	1	1	1		1			
Ventricle, Thrombosis							4																		
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	07/25	05/56	07/32	07/31	07/31	07/32	04/38	07/32	07/31	07/31	07/31	05/16	07/31	06/80	07/32	07/32	07/30	07/31	07/32	07/31	07/31	07/03	07/12	07/30	07/31
FISCHER 344 RATS FEMALE ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325
30 PPM																									**females (cont...)**
Hemorrhage																									
Hyperplasia		2	1		3	2				1		2	3		2		4			2					
Necrosis							4																		
Vacuolization Cytoplasmic						2		1		2									4						2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		1																							
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst		4												4											
Hyperplasia		2		2		4									2		1						4		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia	1	4			1	1	1	1			1	1		1				3	4			1		1	

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia					3						2														

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FISCHER 344 RATS FEMALE
30 PPM

females (cont...)

DAY ON TEST	072	055	073	073	073	073	043	073	073	073	073	051	073	068	073	073	073	073	073	073	073	070	071	073	073
ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst										4															4
Oviduct													+												
Cyst													2												
Inflammation, Suppurative													1												
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Decidual Reaction																			4						
Hemorrhage																									
Hydrometra																									
Necrosis																			4						
Cervix, Myometrium, Hypertrophy					4																				
Endometrium, Hyperplasia	1																			1					1

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Reticulum Cell		3																							
Lymph Node						+																	+		
Pancreatic, Erythrophagocytosis						4																			
Pancreatic, Hemorrhage						3																			
Pancreatic, Infiltration Cellular, Histiocyte																							4		
Pancreatic, Pigmentation																							3		
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	M	+	M	M	+	M	+	M	M	M	M	M	M	M	+	M	M
Hyperplasia, Lymphoid													4												

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DAY ON TEST	07 25	05 56	07 32	07 31	07 31	07 32	04 38	07 32	07 31	07 31	07 31	05 16	07 31	06 80	07 32	07 32	07 30	07 31	07 32	07 31	07 31	07 03	07 12	07 30	07 31
FISCHER 344 RATS FEMALE ANIMAL ID	00 30 01	00 30 02	00 30 03	00 30 04	00 30 05	00 30 06	00 30 07	00 30 08	00 30 09	00 31 10	00 31 11	00 31 12	00 31 13	00 31 14	00 31 15	00 31 16	00 31 17	00 31 18	00 31 19	00 32 20	00 32 21	00 32 22	00 32 23	00 32 24	00 32 25
30 PPM																									**females (cont...)**
Infiltration Cellular, Histiocyte													4										4		
Pigmentation																							4		
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mediastinal	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																	4								
Hematopoietic Cell Proliferation		4										4													
Hemorrhage																									
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																		3							

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele			1																						
Epithelium, Hyperplasia																					1				
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer		4																							
Subcutaneous Tissue, Hemorrhage																									

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DAY ON TEST	072	055	073	073	073	073	043	073	073	073	073	051	073	068	073	073	073	073	073	073	073	070	071	073	073
FISCHER 344 RATS FEMALE ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325
30 PPM																									**females (cont...)**
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																									
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression											3			4											
Hemorrhage														4											
Peripheral Nerve																									
Spinal Cord																									
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body								4		4															
Inflammation, Suppurative								1														1			
Inflammation, Chronic									1																
Respiratory Epithelium, Hyperplasia									1																
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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FISCHER 344 RATS FEMALE
30 PPM
females (cont...)

DAY ON TEST	0725	0556	0732	0731	0731	0732	0438	0732	0731	0731	0731	0516	0731	0680	0732	0732	0730	0731	0732	0731	0731	0703	0712	0730	0731
ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325
Hemorrhage							4																		
Inflammation, Suppurative							3																		
Inflammation, Chronic					2	1		1	1		1			2						1					2
Alveolar Epithelium, Hyperplasia										2				2											4
Alveolus, Infiltration Cellular, Histiocyte	1		1		2	1	3	1	1	2	1			1				1	1	1			1		1
Alveolus, Proteinosis					1								1												2
Bronchiole, Hyperplasia								1	1						1										
Bronchiole, Glands, Degeneration, Mucoid															1										
Mediastinum, Infiltration Cellular, Histiocyte																							4		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																					3				
Inflammation, Suppurative																					2				
Glands, Dilatation					1					1	1				1								1		
Nasolacrimal Duct, Inflammation, Suppurative						1									1										
Olfactory Epithelium, Degeneration	2	1	1	1	2	2		1	2	2	2	1	2	1	1	2	2	2	2	2	1	2	2	2	1
Olfactory Epithelium, Hyperplasia, Basal Cell	2		1	1	2	2	1	1	2	1	2	1	2	2	1	2	2	2	2	2	1	2	2	2	1
Olfactory Epithelium, Inflammation, Suppurative	1								2								1		2			1		1	1
Olfactory Epithelium, Metaplasia	2		1	1	2	1		1	1	1	2		1		1	1	1	2	1	1	1	1	1	2	1
Olfactory Epithelium, Mineralization																				1					
Respiratory Epithelium, Hyperplasia																					2				
Respiratory Epithelium, Inflammation, Chronic	1								1																
Pleura		+	+		+	+		+	+		+		+						+	+	+				
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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FISCHER 344 RATS FEMALE
30 PPM
females (cont...)

DAY ON TEST	0725	0556	0732	0731	0731	0732	0438	0732	0731	0731	0731	0516	0731	0680	0732	0732	0730	0731	0732	0731	0731	0703	0712	0730	0731
ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cornea, Inflammation, Suppurative															1										
Lens, Cataract	4												1	2											1
Retina, Atrophy	4												2	2											1
Sclera, Metaplasia, Osseous														2											
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																									
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy, Chronic	1		1	2	1	3	4	1	2	1	3		2	3	1		1		1	1	1	2	2	2	1
Papilla, Mineralization						1			1						1		1		1					2	
Pelvis, Transitional Epithelium, Hyperplasia															2				2					2	
Pelvis, Transitional Epithelium, Mineralization																									
Renal Tubule, Dilatation																									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Transitional Epithelium, Hyperplasia								4													1				

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DAY ON TEST	073	073	073	047	073	073	073	019	065	064	073	073	073	073	073	073	073	052	073	070	073	073	073	073	073	073	073	069
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 PPM	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0			*** TOTALS**

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																				2								**4 3.0**
Basophilic Focus															3			3					1	2				**7 2.0**
Basophilic Focus, Multiple			1	X		1	1					1	1			1												**13 1.0**
Clear Cell Focus																2	3				3							**6 2.2**
Clear Cell Focus, Multiple																						2						**2 1.5**
Hepatodiaphragmatic Nodule									4								4				4			4				**6 4.0**
Mixed Cell Focus, Multiple																												**1 1.0**
Vacuolization Cytoplasmic	2																											**2 3.0**
Periportal, Inflammation, Chronic																	2											**2 2.0**

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2) Mild 4) Marked

DAY ON TEST	0730	0732	0731	0474	0731	0731	0732	0196	0651	0644	0731	0730	0730	0731	0731	0732	0528	0730	0708	0731	0731	0732	0732	0732	0699	
FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	*** TOTALS**
30 PPM																										
Mesentery	+				+		+	+						+								+	+		+	**18**
Necrosis	3				3		3	2						3								3	3		1	**18 2.8**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																						3				**1 3.0**
Inflammation, Chronic																	2									**1 2.0**
Acinus, Atrophy																										**1 2.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Epithelium, Hyperplasia																										**1 4.0**
Tongue																										**1**
Epithelium, Hyperplasia																										**1 3.0**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy			1		1	1	1				1			1		2						2	2	1	1		**24 1.2**
Ventricle, Thrombosis																										**1 4.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0730	0732	0731	0474	0731	0731	0732	0196	0651	0644	0731	0730	0730	0731	0731	0732	0528	0730	0708	0731	0731	0732	0732	0732	0699	
FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	*** TOTALS**
30 PPM																										
Hemorrhage										3																**1 3.0**
Hyperplasia							4								2				4		2	2	2	2		**17 2.4**
Necrosis																										**1 4.0**
Vacuolization Cytoplasmic		1														1										**7 1.9**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																					1					**2 1.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**2 4.0**
Hyperplasia		3			3		3											3			4					**11 2.8**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	1	1			1		1						1	1	2				2	1		1				**23 1.4**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	4																				2					**4 2.8**

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FISCHER 344 RATS FEMALE

30 PPM

DAY ON TEST	0730	0732	0731	0474	0731	0731	0732	0196	0651	0644	0731	0730	0730	0731	0731	0732	0528	0730	0708	0731	0731	0732	0732	0732	0699	
ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	*** TOTALS**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst												4											4			**4 4.0**
Oviduct																										**1**
Cyst																										**1 2.0**
Inflammation, Suppurative																										**1 1.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Decidual Reaction																										**1 4.0**
Hemorrhage		4																								**1 4.0**
Hydrometra																					2					**1 2.0**
Necrosis		4										4														**3 4.0**
Cervix, Myometrium, Hypertrophy																										**1 4.0**
Endometrium, Hyperplasia		2												1												**5 1.2**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Reticulum Cell												3														**2 3.0**
Lymph Node										+																**3**
Pancreatic, Erythrophagocytosis																										**1 4.0**
Pancreatic, Hemorrhage																										**1 3.0**
Pancreatic, Infiltration Cellular, Histiocyte																										**1 4.0**
Pancreatic, Pigmentation																										**1 3.0**
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	**5**
Hyperplasia, Lymphoid																										**1 4.0**

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FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	*** TOTALS**
30 PPM																										
Infiltration Cellular, Histiocyte																										**2 4.0**
Pigmentation																										**1 4.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**
Lymph Node, Mediastinal	+	+	M	+	M	M	+	+	M	+	M	+	M	M	+	+	+	+	+	+	+	+	M	M	M	**36**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis																										**1 4.0**
Hematopoietic Cell Proliferation									3			3														**4 3.5**
Hemorrhage										4																**1 4.0**
Thymus	+	+	M	M	+	+	+	+	M	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	**45**
Cyst																										**1 3.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Galactocele			1																							**2 1.0**
Epithelium, Hyperplasia																										**1 1.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer																										**1 4.0**
Subcutaneous Tissue, Hemorrhage				3																						**1 3.0**

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FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	*** TOTALS**
30 PPM																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skeletal Muscle								+																		**1**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression			3														3		4			4				**6 3.5**
Hemorrhage																	4								3	**3 3.7**
Peripheral Nerve								+																		**1**
Spinal Cord								+																		**1**
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body												4		4												**4 4.0**
Inflammation, Suppurative																										**2 1.0**
Inflammation, Chronic																										**1 1.0**
Respiratory Epithelium, Hyperplasia																										**1 1.0**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE
30 PPM

DAY ON TEST	0730	0732	0731	0474	0731	0731	0732	0196	0651	0644	0731	0730	0730	0731	0731	0732	0528	0730	0708	0731	0731	0732	0732	0732	0699	
ANIMAL ID	0032 6	0032 7	0032 8	0032 9	0033 0	0033 1	0033 2	0033 3	0033 4	0033 5	0033 6	0033 7	0033 8	0033 9	0034 0	0034 1	0034 2	0034 3	0034 4	0034 5	0034 6	0034 7	0034 8	0034 9	0035 0	*** TOTALS**
Hemorrhage																										**1 4.0**
Inflammation, Suppurative																										**1 3.0**
Inflammation, Chronic	1	1	1				1							2							2		2		1	**16 1.4**
Alveolar Epithelium, Hyperplasia					4																3					**5 3.0**
Alveolus, Infiltration Cellular, Histiocyte	1	1	1		2		1		1		1	1		2		1				1	2		2	1	1	**30 1.3**
Alveolus, Proteinosis							2														1					**5 1.4**
Bronchiole, Hyperplasia																										**3 1.0**
Bronchiole, Glands, Degeneration, Mucoid																							1			**2 1.0**
Mediastinum, Infiltration Cellular, Histiocyte																										**1 4.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																										**1 3.0**
Inflammation, Suppurative																										**1 2.0**
Glands, Dilatation		1																								**6 1.0**
Nasolacrimal Duct, Inflammation, Suppurative																										**2 1.0**
Olfactory Epithelium, Degeneration	2	2	1		2	2	2		1	1	1	1	1	2	2	2	2	2	1	2	2	1	2	2	1	**47 1.6**
Olfactory Epithelium, Hyperplasia, Basal Cell	2	2	1	1	2	2	2		2	1	1	1	1	2	2	2	2	1	1	1	2	2	2	1	1	**48 1.6**
Olfactory Epithelium, Inflammation, Suppurative			1			1	2							1			1			1	1	1		1		**16 1.2**
Olfactory Epithelium, Metaplasia	1		1		1	1			1	1	1	1	1	1	1	1		1	1	1	2	2	1	1	1	**41 1.2**
Olfactory Epithelium, Mineralization															1											**2 1.0**
Respiratory Epithelium, Hyperplasia																										**1 2.0**
Respiratory Epithelium, Inflammation, Chronic						1					1		1		1						1					**7 1.0**
Pleura			+				+							+							+		+			**16**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE ANIMAL ID	0032	0033	0032	0032	0033	0033	0033	0033	0033	0033	0033	0033	0033	0033	0034	0034	0034	0034	0034	0034	0034	0034	0034	0034	0035	
30 PPM	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	*** TOTALS**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cornea, Inflammation, Suppurative																										**1 1.0**
Lens, Cataract															4					4						**6 2.7**
Retina, Atrophy											1				4					4						**7 2.6**
Sclera, Metaplasia, Osseous																										**1 2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic						1																				**1 1.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Nephropathy, Chronic	2	1	3		2	1	1		1	1	2		2	3	2	1		1	1	2	1		3	1	1	**41 1.7**
Papilla, Mineralization	1	1	1			1					1				1		1	1	2	1						**16 1.1**
Pelvis, Transitional Epithelium, Hyperplasia						1																				**4 1.8**
Pelvis, Transitional Epithelium, Mineralization									1																	**1 1.0**
Renal Tubule, Dilatation								4																		**1 4.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Transitional Epithelium, Hyperplasia																										**2 2.5**

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FISCHER 344 RATS FEMALE
60 PPM

DAY ON TEST	0704	0731	0732	0731	0731	0717	0732	0731	0723	0614	0731	0731	0732	0732	0528	0641	0704	0730	0731	0607	0730	0631	0732	0425	0731
ANIMAL ID	00501	00502	00503	00504	00505	00506	00507	00508	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00525
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																				3					
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis					1																				
Basophilic Focus		3		1																1					3
Basophilic Focus, Multiple			4					1	2		1			1					1						
Clear Cell Focus		3											1									1	4		
Clear Cell Focus, Multiple				2				1																	1
Degeneration, Cystic																									
Hematopoietic Cell Proliferation																								3	
Hepatodiaphragmatic Nodule															4					4					4
Necrosis																									

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FISCHER 344 RATS FEMALE
60 PPM

DAY ON TEST	0704	0731	0732	0731	0731	0717	0732	0731	0723	0614	0731	0731	0732	0732	0528	0641	0704	0730	0731	0607	0730	0631	0732	0425	0731
ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
Vacuolization Cytoplasmic				2	3																				
Periportal, Inflammation, Chronic																			1	2					
Serosa, Fibrosis																									
Mesentery			+	+										+			+	+							
Necrosis			3	2										1			3	1							
Oral Mucosa																									
Pharyngeal, Hyperplasia, Squamous																									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Squamous																				4					
Inflammation, Suppurative																				4					
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	1		1	1	2	2			1		2	1		1	1	1	1	1			1			1	

ENDOCRINE SYSTEM

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FISCHER 344 RATS FEMALE
60 PPM

females (cont...)

DAY ON TEST	0704	0731	0732	0731	0731	0717	0732	0731	0723	0614	0731	0731	0732	0732	0528	0641	0704	0730	0731	0607	0730	0631	0732	0425	0731
ANIMAL ID	00501	00502	00503	00504	00505	00506	00507	00508	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00525
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation																				2					
Hemorrhage																									
Hyperplasia					2				3	1		2				1							4		
Metaplasia, Osseous																									
Necrosis																			2						
Vacuolization Cytoplasmic		2					1				1					1									
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia								3				3													
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+
Hyperplasia																									
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst									4									4					4		
Hyperplasia			4				1							4											
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia	4	1	1	1		1	1							1	1				1			2			1
Follicular Cell, Hyperplasia																									

GENERAL BODY SYSTEM
NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

FISCHER 344 RATS FEMALE
60 PPM
females (cont...)

DAY ON TEST	0704	0731	0732	0731	0731	0717	0732	0731	0723	0614	0731	0731	0732	0732	0528	0641	0704	0730	0731	0607	0730	0631	0732	0425	0731
ANIMAL ID	0050 1	0050 2	0050 3	0050 4	0050 5	0050 6	0050 7	0050 8	0050 9	0051 0	0051 1	0051 2	0051 3	0051 4	0051 5	0051 6	0051 7	0051 8	0051 9	0052 0	0052 1	0052 2	0052 3	0052 4	0052 5

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																	2								
Inflammation, Chronic																									
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst					4										4					4			4		
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									
Thrombosis																									
Endometrium, Hyperplasia							1											1							1
Endometrium, Inflammation, Suppurative							1																		

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																								3	
Hyperplasia, Reticulum Cell						3										4									
Erythroid Cell, Hyperplasia																									
Lymph Node						+																	+		
Pancreatic, Ectasia																							2		
Pancreatic, Pigmentation																									
Lymph Node, Bronchial	M	M	+	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M

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1-4 .. Lesion qualified as:
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FISCHER 344 RATS FEMALE
60 PPM
females (cont...)

DAY ON TEST	0704	0731	0732	0731	0731	0717	0732	0731	0723	0614	0731	0731	0732	0732	0528	0641	0704	0730	0731	0607	0730	0631	0732	0425	0731
ANIMAL ID	00501	00502	00503	00504	00505	00506	00507	00508	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00525
Ectasia															3										
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M
Lymph Node, Mediastinal	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+
Angiectasis			3																						
Pigmentation					2																				
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation																4				2				4	
Thymus	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele	4																			1					
Epithelium, Hyperplasia																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																									
Ulcer																									
Subcutaneous Tissue, Ulcer																								4	

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DAY ON TEST	070 4	073 1	073 2	073 1	073 1	071 7	073 2	073 1	072 3	061 4	073 1	073 1	073 2	073 2	052 8	064 1	070 4	073 0	073 1	060 7	073 0	063 1	073 2	042 5	073 1
FISCHER 344 RATS FEMALE ANIMAL ID	00501	00502	00503	00504	00505	00506	00507	00508	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00525
60 PPM																									**females (cont...)**
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression	4							4					3		4		3		2	3	4	4			
Hemorrhage																				1					
Medulla, Gliosis																									
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																				4					
Inflammation, Suppurative																				1					
Inflammation, Chronic																							1		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic		2			2		1	1	2			3		2			2						1		3
Alveolar Epithelium, Hyperplasia		4														1									
Alveolus, Infiltration Cellular, Histiocyte		1	1	1	2		1				1	2		2	1	1	2		1				1		
Alveolus, Proteinosis									1					1											1
Bronchiole, Hyperplasia																									
Bronchiole, Glands, Degeneration, Mucoid																							2		

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FISCHER 344 RATS FEMALE
60 PPM
females (cont...)

DAY ON TEST	0704	0731	0732	0731	0731	0717	0732	0731	0723	0614	0731	0731	0732	0732	0528	0641	0704	0730	0731	0607	0730	0631	0732	0425	0731
ANIMAL ID	00501	00502	00503	00504	00505	00506	00507	00508	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00525
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body			3																						
Inflammation, Suppurative			2																					1	
Glands, Dilatation						2			1									2							
Nasolacrimal Duct, Inflammation, Suppurative							2																		
Olfactory Epithelium, Degeneration	1	2	2	3	1	2	1	1	2	3	2	1	1	2	2	1	1	2	2	3	1	1	1	2	2
Olfactory Epithelium, Hyperplasia, Basal Cell	1	2	2	3	2	2	1	2	2	3	2	1	1	2	3	1	1	2	1	2	1	2	1	3	2
Olfactory Epithelium, Inflammation, Suppurative			1		1	1						1		1	1		1	1		2					
Olfactory Epithelium, Metaplasia	1	1	2	2	1	1	1	1	1		1	1	1	1	1	1	1	2	1		1	1	1		1
Olfactory Epithelium, Mineralization										1					1	1						1	1		
Respiratory Epithelium, Hyperplasia			2																						
Respiratory Epithelium, Inflammation, Chronic		1										1	1				1	1							
Pleura		+	+		+		+		+			+		+			+						+		+
Fibrosis			1																						
Mesothelium, Hyperplasia																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																				1					

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lens, Cataract								1															4		
Retina, Atrophy	2																						4		1

FISCHER 344 RATS FEMALE
60 PPM
females (cont...)

DAY ON TEST	0704	0731	0732	0731	0731	0717	0732	0731	0723	0614	0731	0731	0732	0732	0528	0641	0704	0730	0731	0607	0730	0631	0732	0425	0731
ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
Sclera, Metaplasia, Osseous						2																			
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic								1																	

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy, Chronic	3	2	1	3	4		1	3	1	1	1	3	3	2	1		2	3	3	2	3	1	1		
Cortex, Renal Tubule, Accumulation, Hyaline Droplet																4								3	
Papilla, Mineralization	1				1		1	1	1						1		1	1	1	1			1		
Pelvis, Inflammation, Chronic																				2					
Pelvis, Transitional Epithelium, Hyperplasia																2									
Pelvis, Transitional Epithelium, Mineralization																1									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

DAY ON TEST	07311	07311	07312	07311	05911	07277	07322	07322	07322	07322	06277	07322	07078	05155	07322	06663	07322	05093	07322	07322	07311	06685	07322	07311	07155	
FISCHER 344 RATS FEMALE ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	
60 PPM																										*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	**48**
Inflammation, Chronic																										**1 3.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	**47**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**1 1.0**
Basophilic Focus			1														1				3					**7 1.9**
Basophilic Focus, Multiple				1			1	1			X		1			X		1		1		X	1			**16 1.3**
Clear Cell Focus													1		2					1						**7 1.9**
Clear Cell Focus, Multiple	X																							2		**5 1.5**
Degeneration, Cystic												1														**1 1.0**
Hematopoietic Cell Proliferation											3															**2 3.0**
Hepatodiaphragmatic Nodule										4			4				4		4	4	4					**9 4.0**
Necrosis													2												4	**2 3.0**

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1-4 .. Lesion qualified as:
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DAY ON TEST	073 1	073 1	073 2	073 1	059 1	072 7	073 2	073 2	073 2	073 2	062 7	073 2	070 8	051 5	073 2	066 3	073 2	050 9	073 2	073 2	073 1	068 5	073 2	073 1	071 5	
FISCHER 344 RATS FEMALE ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	*** TOTALS**
60 PPM																										
Vacuolization Cytoplasmic																										**2 2.5**
Periportal, Inflammation, Chronic					1																					**3 1.3**
Serosa, Fibrosis									1																	**1 1.0**
Mesentery	+	+	+	+	+		+	+	+		+						+				+		+		+	**18**
Necrosis	3	3	3	1	3		3	2	3		2						3				3		3		2	**18 2.4**
Oral Mucosa								+																		**1**
Pharyngeal, Hyperplasia, Squamous								4																		**1 4.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Squamous																										**1 4.0**
Inflammation, Suppurative																										**1 4.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	1	1	1				1	1		1		1	1		1		2		1	1	1	1	1	2	1	**32 1.2**
ENDOCRINE SYSTEM																										

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FISCHER 344 RATS FEMALE

60 PPM

DAY ON TEST	07311	07311	07321	07311	05911	07277	07322	07322	07322	07322	06277	07322	07088	05155	07322	06663	07322	05093	07322	07322	07311	06685	07321	07311	07115	
ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	* TOTALS
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic Cell Proliferation											3															2 2.5
Hemorrhage																2										1 2.0
Hyperplasia							2		4	2								1		2		3		3	3	14 2.4
Metaplasia, Osseous																					2					1 2.0
Necrosis																										1 2.0
Vacuolization Cytoplasmic			4	1		2					2															8 1.8
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia																						1				3 2.3
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Hyperplasia													2													1 2.0
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst																						3				4 3.8
Hyperplasia	3		1				2				4	3	3										4			10 2.9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C-cell, Hyperplasia			1							1		1	1										1		1	17 1.2
Follicular Cell, Hyperplasia	3																									1 3.0

GENERAL BODY SYSTEM

NONE

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DAY ON TEST	073 1	073 1	073 2	073 1	059 1	072 7	073 2	073 2	073 2	073 2	062 7	073 2	070 8	051 5	073 2	066 3	073 2	050 9	073 2	073 2	073 1	068 5	073 2	073 1	071 5	
FISCHER 344 RATS FEMALE ANIMAL ID	00052 6	00052 7	00052 8	00052 9	00053 0	00053 1	00053 2	00053 3	00053 4	00053 5	00053 6	00053 7	00053 8	00053 9	00054 0	00054 1	00054 2	00054 3	00054 4	00054 5	00054 6	00054 7	00054 8	00054 9	00055 0	*** TOTALS**
60 PPM																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia						2							2				3									**4 2.3**
Inflammation, Chronic													1													**1 1.0**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst										1						4							4			**7 3.6**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage											4		4													**2 4.0**
Thrombosis													4													**1 4.0**
Endometrium, Hyperplasia										1	2		2					2								**7 1.4**
Endometrium, Inflammation, Suppurative								2			2															**3 1.7**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 3.0**
Hyperplasia, Reticulum Cell											4															**3 3.7**
Erythroid Cell, Hyperplasia													4													**1 4.0**
Lymph Node				+																						**3**
Pancreatic, Ectasia																										**1 2.0**
Pancreatic, Pigmentation				2																						**1 2.0**
Lymph Node, Bronchial	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**3**

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FISCHER 344 RATS FEMALE
60 PPM

DAY ON TEST	07311	07311	07321	07311	05911	07277	07322	07322	07322	07322	06277	07322	07078	05115	07322	06633	07322	05093	07322	07322	07311	06885	07321	07311	07150	
ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	* TOTALS
Ectasia																										1 3.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1
Lymph Node, Mediastinal	+	M	+	M	M	M	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	40
Angiectasis																										1 3.0
Pigmentation																										1 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic Cell Proliferation											4		4													5 3.6
Thymus	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Galactocele				1									4													4 2.5
Epithelium, Hyperplasia																1										1 1.0
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic																3										1 3.0
Ulcer																4										1 4.0
Subcutaneous Tissue, Ulcer																										1 4.0

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	073 1	073 1	073 2	073 1	059 1	072 7	073 2	073 2	073 2	073 2	062 7	073 2	070 8	051 5	073 2	066 3	073 2	050 9	073 2	073 2	073 1	068 5	073 2	073 1	071 5	
FISCHER 344 RATS FEMALE ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	
60 PPM																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression					3	4																2			2			**13 3.2**
Hemorrhage						4				3						2												**4 2.5**
Medulla, Gliosis		3																										**1 3.0**
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																		2	4	4								**4 3.5**
Inflammation, Suppurative						1										1		1	1	1								**6 1.0**
Inflammation, Chronic																												**1 1.0**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic		2						2		1						2												**14 1.9**
Alveolar Epithelium, Hyperplasia		2																1										**4 2.0**
Alveolus, Infiltration Cellular, Histiocyte	1	2	1				1	2		1	1						1		1	1				1				**24 1.3**
Alveolus, Proteinosis																												**3 1.0**
Bronchiole, Hyperplasia	1																								1			**2 1.0**
Bronchiole, Glands, Degeneration, Mucoid												1																**2 1.5**

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FISCHER 344 RATS FEMALE

60 PPM

DAY ON TEST	07311	07311	07321	07311	05911	07277	07321	07321	07321	07321	06277	07321	07078	05151	07321	06663	07321	05093	07321	07321	07311	06685	07321	07311	07150	
ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	*** TOTALS**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body						3																				**2 3.0**
Inflammation, Suppurative												1										1				**4 1.3**
Glands, Dilatation		1		2			1		1	1			3											1		**10 1.5**
Nasolacrimal Duct, Inflammation, Suppurative																										**1 2.0**
Olfactory Epithelium, Degeneration	1	1	1	2	2	1	1	2	1	2	2	1	2	2	2	1	2	2	1	2	1	1	1	2	1	**50 1.6**
Olfactory Epithelium, Hyperplasia, Basal Cell	1	1	1	2	2	1	1	2	2	2	2	1	2	3	2	2	2	3	1	2	1	2	1	2	1	**50 1.7**
Olfactory Epithelium, Inflammation, Suppurative					1						2				1		1			1			1			**15 1.1**
Olfactory Epithelium, Metaplasia	1	2		1	2	1	1	2	1	2		1	2	2	1	1	1		1	1		1	1	1	1	**43 1.2**
Olfactory Epithelium, Mineralization					2					1			1													**8 1.1**
Respiratory Epithelium, Hyperplasia						2																				**2 2.0**
Respiratory Epithelium, Inflammation, Chronic	1		1	2		2											1						1			**11 1.2**
Pleura	+	+						+						+		+										**15**
Fibrosis														3												**2 2.0**
Mesothelium, Hyperplasia														2												**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																										**1 1.0**

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	**49**
Lens, Cataract	3											1		2	4									3		**7 2.6**
Retina, Atrophy	3											1			4									3		**7 2.6**

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DAY ON TEST	07 31	07 31	07 32	07 31	05 91	07 27	07 32	07 32	07 32	07 32	06 27	07 32	07 08	05 15	07 32	06 63	07 32	05 09	07 32	07 32	07 31	06 85	07 32	07 31	07 15	
FISCHER 344 RATS FEMALE ANIMAL ID	00 52 6	00 52 7	00 52 8	00 52 9	00 53 0	00 53 1	00 53 2	00 53 3	00 53 4	00 53 5	00 53 6	00 53 7	00 53 8	00 53 9	00 54 0	00 54 1	00 54 2	00 54 3	00 54 4	00 54 5	00 54 6	00 54 7	00 54 8	00 54 9	00 55 0	*** TOTALS**
60 PPM																										
Sclera, Metaplasia, Osseous																										**1 2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																								1		**2 1.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Nephropathy, Chronic	1	1	1	1	2	1	2	2	1	3	1	1	1	1	1	1	4		2	1	2		2	3	2	**44 1.8**
Cortex, Renal Tubule, Accumulation, Hyaline Droplet																										**2 3.5**
Papilla, Mineralization		1	1			1		1		1		1	1						1	1		1		1	1	**23 1.0**
Pelvis, Inflammation, Chronic																										**1 2.0**
Pelvis, Transitional Epithelium, Hyperplasia																										**1 2.0**
Pelvis, Transitional Epithelium, Mineralization																1										**2 1.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	073 2	044 2	070 3	073 2	073 2	073 1	073 1	073 0	073 1	073 1	073 0	073 1	073 0	068 1	073 1	073 1	073 1	073 2	073 2	073 2	064 7	073 2	064 5	073 1	073 2
FISCHER 344 RATS FEMALE ANIMAL ID	00070 1	00070 2	00070 3	00070 4	00070 5	00070 6	00070 7	00070 8	00070 9	00071 0	00071 1	00071 2	00071 3	00071 4	00071 5	00071 6	00071 7	00071 8	00071 9	00072 0	00072 1	00072 2	00072 3	00072 4	00072 5
120 PPM																									**females (cont...)**
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative									4																
Ulcer									4																
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis													1									1	3		
Basophilic Focus																									
Basophilic Focus, Multiple							1			2		1	1		1	1				1			X		1
Clear Cell Focus	1					4													2						3
Clear Cell Focus, Multiple					1		1		3	1	1					2									
Hepatodiaphragmatic Nodule		4														4			4						4
Mixed Cell Focus																						2			
Vacuolization Cytoplasmic			4			1																			

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FISCHER 344 RATS FEMALE

120 PPM

females (cont...)

DAY ON TEST	0732	0442	0703	0732	0732	0731	0731	0730	0731	0731	0730	0731	0730	0681	0731	0731	0731	0732	0732	0732	0647	0732	0645	0731	0732
ANIMAL ID	00701	00702	00703	00704	00705	00706	00707	00708	00709	00710	00711	00712	00713	00714	00715	00716	00717	00718	00719	00720	00721	00722	00723	00724	00725
Bile Duct, Hyperplasia																							1		
Periportal, Inflammation, Chronic								1						1									2		
Mesentery			+	+	+			+		+			+	+					+			+			
Necrosis			2	3	3			3		3			1	2					1			3			
Fat, Hemorrhage			2																						
Oral Mucosa																									
Pharyngeal, Hyperplasia, Squamous																									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																									
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer			4																						
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue			+		+																				
Epithelium, Hyperplasia			4		4																				

CARDIOVASCULAR SYSTEM

Blood Vessel
Media, Inflammation, Chronic

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FISCHER 344 RATS FEMALE
120 PPM

DAY ON TEST	0732	0442	0703	0732	0732	0731	0731	0730	0731	0731	0730	0731	0730	0681	0731	0731	0731	0732	0732	0732	0647	0732	0645	0731	0732
ANIMAL ID	00701	00702	00703	00704	00705	00706	00707	00708	00709	00710	00711	00712	00713	00714	00715	00716	00717	00718	00719	00720	00721	00722	00723	00724	00725
females (cont...)																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy				1	1	1	1	1	2	1			1	1	1	1		1	1	1		2	1	2	2
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	2				1				3	2					3	2				2		4	3	3	
Vacuolization Cytoplasmic							4							1											
Capsule, Hyperplasia							1																		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+
Hyperplasia																									
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Hyperplasia												3				4			3						2
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+
C-cell, Hyperplasia	1		2		1	1					4							1						1	
Follicle, Cyst																									

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DAY ON TEST	0732	0442	0703	0732	0732	0731	0731	0730	0731	0731	0730	0731	0730	0681	0731	0731	0731	0732	0732	0732	0647	0732	0645	0731	0732
FISCHER 344 RATS FEMALE ANIMAL ID	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007	0007
120 PPM	0701	0702	0703	0704	0705	0706	0707	0708	0709	0710	0711	0712	0713	0714	0715	0716	0717	0718	0719	0720	0721	0722	0723	0724	0725
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Hyperplasia						4																			
Inflammation, Suppurative																		2							
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst				4				4	4			1	4					4	1						
Hyperplasia, Adenomatous								3																	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									
Necrosis																									
Endometrium, Hyperplasia			2							2									2	3					
Vagina																								+	
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									

females (cont...)

DAY ON TEST	07 32	04 42	07 03	07 32	07 32	07 31	07 31	07 30	07 31	07 31	07 30	07 31	07 30	06 81	07 31	07 31	07 31	07 32	07 32	07 32	06 47	07 32	06 45	07 31	07 32
FISCHER 344 RATS FEMALE ANIMAL ID	00 701	00 702	00 703	00 704	00 705	00 706	00 707	00 708	00 709	00 710	00 711	00 712	00 713	00 714	00 715	00 716	00 717	00 718	00 719	00 720	00 721	00 722	00 723	00 724	00 725
120 PPM																									**females (cont...)**
Lymph Node										+															
Pancreatic, Hemorrhage										2															
Pancreatic, Inflammation, Chronic										2															
Pancreatic, Pigmentation																									
Lymph Node, Bronchial	M	+	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mediastinal	+	+	+	+	M	M	+	+	M	+	M	+	M	+	+	+	+	M	M	M	+	M	+	+	M
Ectasia																									
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ectasia									4																
Pigmentation							2																		
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation																									
Thymus	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+
Ectopic Parathyroid Gland																									
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele						4												4							
Hyperplasia																									

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DAY ON TEST	07 32	04 42	07 03	07 32	07 32	07 31	07 31	07 30	07 31	07 31	07 30	07 31	07 30	06 81	07 31	07 31	07 31	07 32	07 32	07 32	06 47	07 32	06 45	07 31	07 32
FISCHER 344 RATS FEMALE ANIMAL ID	00701	00702	00703	00704	00705	00706	00707	00708	00709	00710	00711	00712	00713	00714	00715	00716	00717	00718	00719	00720	00721	00722	00723	00724	00725
120 PPM																									**females (cont...)**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperkeratosis									2																
Hyperplasia, Squamous									2																
Inflammation, Chronic	1																								
Ulcer	2														3										
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression					4					3	3		3	4							3	4			
Hemorrhage			4			1											2								
Hydrocephalus																									
Necrosis			4																						
Choroid Plexus, Hyperplasia																									
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body					4							4										4			
Inflammation, Suppurative			1		1							1										1			
Inflammation, Chronic															1										
Epiglottis, Metaplasia, Squamous															1										
Respiratory Epithelium, Hyperplasia																									

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2) Mild 4) Marked

FISCHER 344 RATS FEMALE
120 PPM

DAY ON TEST	07 32	04 42	07 03	07 32	07 32	07 31	07 31	07 30	07 31	07 31	07 30	07 31	07 30	06 81	07 31	07 31	07 31	07 32	07 32	07 32	06 47	07 32	06 45	07 31	07 32
ANIMAL ID	00701	00702	00703	00704	00705	00706	00707	00708	00709	00710	00711	00712	00713	00714	00715	00716	00717	00718	00719	00720	00721	00722	00723	00724	00725
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic	2		2				1	2		1	1	1	1		2				1	1		2	2		
Alveolar Epithelium, Hyperplasia													1		1		1								
Alveolus, Infiltration Cellular, Histiocyte	1			1			1	2		2	1	2	1	1	2		1		1	1	1	2	1		1
Alveolus, Proteinosis	1																					1			
Bronchiole, Hyperplasia								1								1									
Interstitium, Fibrosis																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																3									
Inflammation, Suppurative									1							2									
Glands, Dilatation							1										2		1						2
Nasolacrimal Duct, Inflammation, Suppurative													3												
Olfactory Epithelium, Degeneration	2	2	2	1	1	2	1		2	1	1		1	2	2	3	2	2	1	1		2	1	2	2
Olfactory Epithelium, Hyperplasia, Basal Cell	1	2	1	1	1	2	1	1	1	1		1	2	2	2	3	2	3	1	1	2	2	2	2	2
Olfactory Epithelium, Inflammation, Suppurative	1			1	2	1			2	3				1		1			1	1					
Olfactory Epithelium, Metaplasia	2	3	1	1	1	2	1	1	2	2	2	1	2	2	2	3	2	2	1	1	2	2	1	2	2
Olfactory Epithelium, Mineralization			1			1									2							1	1	1	
Respiratory Epithelium, Hyperplasia											1				4	1									
Respiratory Epithelium, Inflammation, Chronic					1		1			1						2			1						
Pleura		+	+				+	+			+		+						+	+		+			
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

females (cont...)

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FISCHER 344 RATS FEMALE
120 PPM

DAY ON TEST	0732	0442	0703	0732	0732	0731	0731	0730	0731	0731	0730	0731	0730	0681	0731	0731	0731	0732	0732	0732	0647	0732	0645	0731	0732
ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cornea, Mineralization																2									
Lens, Cataract	1				1								2		1	4									1
Retina, Atrophy	1												2		1	4									1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy, Chronic	1		2	1	3	4	1	1	3	3	3	3	2	2	1	1	3	3	2	1	3	2	2	2	1
Papilla, Mineralization	1					1		1	1	2	1		1		1			1	1	1		1	1	1	1
Pelvis, Inflammation, Suppurative					1																				
Pelvis, Transitional Epithelium, Hyperplasia					2																				
Pelvis, Transitional Epithelium, Mineralization														1											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Transitional Epithelium, Hyperplasia																									

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DAY ON TEST	07 32	07 32	07 32	06 70	07 32	05 63	06 85	07 31	07 32	06 94	07 31	07 30	04 88	07 03	07 31	07 31	06 48	07 31	07 30	07 31	07 32	07 31	07 32	07 31	07 32	
FISCHER 344 RATS FEMALE ANIMAL ID	00 07 26	00 07 27	00 07 28	00 07 29	00 07 30	00 07 31	00 07 32	00 07 33	00 07 34	00 07 35	00 07 36	00 07 37	00 07 38	00 07 39	00 07 40	00 07 41	00 07 42	00 07 43	00 07 44	00 07 45	00 07 46	00 07 47	00 07 48	00 07 49	00 07 50	*** TOTALS**
120 PPM																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Large, Colon	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Inflammation, Suppurative																										**1 4.0**
Ulcer																										**1 4.0**
Intestine Large, Rectum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Small, Duodenum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Small, Ileum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Small, Jejunum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis															2											**4 1.8**
Basophilic Focus									1														3			**2 2.0**
Basophilic Focus, Multiple	1	1			1	1		1				X		1		1		X						1	1	**20 1.1**
Clear Cell Focus	1					1								2								X	1			**9 1.9**
Clear Cell Focus, Multiple								2				X							1	1						**10 1.4**
Hepatodiaphragmatic Nodule									4													4				**6 4.0**
Mixed Cell Focus																										**1 2.0**
Vacuolization Cytoplasmic																		2								**3 2.3**

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FISCHER 344 RATS FEMALE ANIMAL ID	00 07 26	00 07 27	00 07 28	00 07 29	00 07 30	00 07 31	00 07 32	00 07 33	00 07 34	00 07 35	00 07 36	00 07 37	00 07 38	00 07 39	00 07 40	00 07 41	00 07 42	00 07 43	00 07 44	00 07 45	00 07 46	00 07 47	00 07 48	00 07 49	00 07 50	*** TOTALS**
120 PPM																										
Bile Duct, Hyperplasia																										**1 1.0**
Periportal, Inflammation, Chronic																										**3 1.3**
Mesentery					+			+	+						+				+							**14**
Necrosis					3			3	3						3				3							**14 2.6**
Fat, Hemorrhage																										**1 2.0**
Oral Mucosa															+											**1**
Pharyngeal, Hyperplasia, Squamous															4											**1 4.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic											2															**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer																										**1 4.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Tongue																				+						**3**
Epithelium, Hyperplasia																				4						**3 4.0**

CARDIOVASCULAR SYSTEM

Blood Vessel											+															**1**
Media, Inflammation, Chronic											3															**1 3.0**

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DAY ON TEST	07 32	07 32	07 32	06 70	07 32	05 63	06 85	07 31	07 32	06 94	07 31	07 30	04 88	07 03	07 31	07 31	06 48	07 31	07 30	07 31	07 32	07 31	07 32	07 31	07 32		
FISCHER 344 RATS FEMALE ANIMAL ID	00 72 6	00 72 7	00 72 8	00 72 9	00 73 0	00 73 1	00 73 2	00 73 3	00 73 4	00 73 5	00 73 6	00 73 7	00 73 8	00 73 9	00 74 0	00 74 1	00 74 2	00 74 3	00 74 4	00 74 5	00 74 6	00 74 7	00 74 8	00 74 9	00 75 0	*** TOTALS**	
120 PPM																											
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy	2	1	2	1	1			1	1	1	2	1			1	1			1	1		1			1		**34 1.2**
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia			3						1			4			2				3	2		2	3				**18 2.5**
Vacuolization Cytoplasmic																		2		2							**4 2.3**
Capsule, Hyperplasia																											**1 1.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	**47**	
Hyperplasia			3																								**1 3.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst	4						4					4							4								**4 4.0**
Hyperplasia																									3		**5 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
C-cell, Hyperplasia	3				1			1	1			4		2	1			1		1	1	1	4				**19 1.7**
Follicle, Cyst					3																						**1 3.0**

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DAY ON TEST	0732	0732	0732	0670	0732	0563	0685	0731	0732	0694	0731	0730	0488	0703	0731	0731	0648	0731	0730	0731	0732	0731	0732	0731	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	00750	
120 PPM																										*** TOTALS**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst	3		2									4														**3 3.0**
Hyperplasia												3														**2 3.5**
Inflammation, Suppurative																										**1 2.0**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst				4													4									**9 3.3**
Hyperplasia, Adenomatous																										**1 3.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage										4											4			4		**3 4.0**
Necrosis																							4	4		**2 4.0**
Endometrium, Hyperplasia							1			4						3		1		2	2		3			**11 2.3**
Vagina																										**1**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia										4																**1 4.0**

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FISCHER 344 RATS FEMALE

120 PPM

DAY ON TEST	0732	0732	0732	0670	0732	0563	0685	0731	0732	0694	0731	0730	0488	0703	0731	0731	0648	0731	0730	0731	0732	0731	0732	0731	0732	
ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	00750	* TOTALS
Lymph Node						+																+				3
Pancreatic, Hemorrhage																										1 2.0
Pancreatic, Inflammation, Chronic																										1 2.0
Pancreatic, Pigmentation																						3				1 3.0
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	2
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mediastinal	+	M	+	+	+	+	M	+	+	+	+	M	+	M	M	+	+	+	+	+	M	+	+	+	+	34
Ectasia											4															1 4.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Ectasia																										1 4.0
Pigmentation																										1 2.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic Cell Proliferation										4																1 4.0
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	46
Ectopic Parathyroid Gland												1														1 1.0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Galactocele																										2 4.0
Hyperplasia																								1		1 1.0

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DAY ON TEST	0732	0732	0732	0670	0732	0563	0685	0731	0732	0694	0731	0730	0488	0703	0731	0731	0648	0731	0730	0731	0732	0731	0732	0731	0732	
ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	00750	* TOTALS
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperkeratosis																										1 2.0
Hyperplasia, Squamous																										1 2.0
Inflammation, Chronic																										1 1.0
Ulcer														4												3 3.0
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Compression				3	3	3			2								2									12 3.1
Hemorrhage							4	4																		5 3.0
Hydrocephalus								3																		1 3.0
Necrosis																										1 4.0
Choroid Plexus, Hyperplasia																			2							1 2.0
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Foreign Body																										3 4.0
Inflammation, Suppurative								1								1		1				2	1			9 1.1
Inflammation, Chronic																										1 1.0
Epiglottis, Metaplasia, Squamous																										1 1.0
Respiratory Epithelium, Hyperplasia			1																							1 1.0

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ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	00750	* TOTALS
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic	1							1			1			2				1				2	1		2	21 1.4
Alveolar Epithelium, Hyperplasia																										3 1.0
Alveolus, Infiltration Cellular, Histiocyte	1		1				1	1	1	1	1	1	1	2			1	2		1		1	1	1	1	34 1.2
Alveolus, Proteinosis																										2 1.0
Bronchiole, Hyperplasia																		2								3 1.3
Interstitium, Fibrosis																						1				1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Foreign Body										3	3							3				3				5 3.0
Inflammation, Suppurative										3													1			4 1.8
Glands, Dilatation	3		2		2				2		2	1		3					1		1		1	1	3	16 1.8
Nasolacrimal Duct, Inflammation, Suppurative																										1 3.0
Olfactory Epithelium, Degeneration	2	3	2	1	2	2		1	2	1	1	1	1	2	1	2	1	2	1	1	1	1	1	1	2	46 1.5
Olfactory Epithelium, Hyperplasia, Basal Cell	1	3	2	1	2	1	1	1	3	2	2	1	1	3	1	2	1	2	1	2	1	2	1	1	3	49 1.6
Olfactory Epithelium, Inflammation, Suppurative	1	2	1		1				1		1							2	1						1	19 1.3
Olfactory Epithelium, Metaplasia	1	2	1	2		1	2	1	2	2	2	1	1	2	2	2	1	1	1	2	1	1	2	2	2	49 1.6
Olfactory Epithelium, Mineralization		1		1		1		1								1	1			1						13 1.1
Respiratory Epithelium, Hyperplasia										3												2				5 2.2
Respiratory Epithelium, Inflammation, Chronic			1		1				1		1								1	1			2			12 1.2
Pleura			+								+	+		+				+				+	+		+	17
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0732	0732	0732	0670	0732	0563	0685	0731	0732	0694	0731	0730	0488	0703	0731	0731	0648	0731	0730	0731	0732	0731	0732	0731	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	00750	*** TOTALS**
120 PPM																										
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cornea, Mineralization																										**1 2.0**
Lens, Cataract	2		1								4	2								2						**11 1.9**
Retina, Atrophy											4	2														**7 2.1**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Nephropathy, Chronic	1	1	1	1	2	1	2	2	3	1	2	1	1	2	3	3	2	2	1	4	2	1	2	1	2	**49 1.9**
Papilla, Mineralization								1	1						1							1			1	**20 1.1**
Pelvis, Inflammation, Suppurative																										**1 1.0**
Pelvis, Transitional Epithelium, Hyperplasia						1																				**2 1.5**
Pelvis, Transitional Epithelium, Mineralization																	1									**2 1.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Transitional Epithelium, Hyperplasia										3																**1 3.0**

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked