Study Number:	MOG08002B
Study Gender:	Both
PWG Approval Date	See web page for date of PWG Approval

F0 Female

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Disposition Summary				
Animals Initially In Study	**35**	**35**	**35**	**35**
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (GD 18 - 24, LD 0 - 28, SD 24 - 27)	**35**	**35**	**35**	**35**
Animals Examined Microscopically	**3**	**2**		**2**
ALIMENTARY SYSTEM				
LIVER	(2)	(2)	(0)	(0)
HEPATODIAPHRAGMATIC NODULE		2 (100%)		
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
OVARY	(3)	(0)	(0)	(0)
FOLLICLE; CYST	1 (33%)			
UTERUS	(0)	(0)	(0)	(2)
INFLAMMATION, ACUTE				1 (50%)
PLACENTA; RETENTION				1 (50%)
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				

F0 Female

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
No Tissues/Organs Examined				
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
No Tissues/Organs Examined				

F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Disposition Summary				
Animals Initially In Study	**10**	**10**	**10**	**10**
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 115 - 119)	**10**	**10**	**10**	**10**
Animals Examined Microscopically	**10**	**10**	**10**	**10**
Total number litters	**10**	**10**	**10**	**10**
ALIMENTARY SYSTEM				
ESOPHAGUS	(10)	(0)	(0)	(10)
INTESTINE, CECUM	(10)	(0)	(0)	(10)
INTESTINE, COLON	(10)	(0)	(0)	(10)
INTESTINE, DUODENUM	(10)	(0)	(0)	(10)
INTESTINE, ILEUM	(10)	(0)	(0)	(10)
INTESTINE, JEJUNUM	(10)	(0)	(0)	(10)
INTESTINE, RECTUM	(10)	(0)	(0)	(10)
LIVER	(10)	(0)	(2)	(10)
EXTRAMEDULLARY HEMATOPOIESIS	2 (20%) [2]			4 (40%) [4]
HEPATODIAPHRAGMATIC NODULE			2 (100%) [2]	
PANCREAS	(10)	(0)	(0)	(10)
ACINAR CELL; ATROPHY				1 (10%) [1]
SALIVARY GLAND	(10)	(0)	(0)	(10)
STOMACH	(10)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM				
AORTA	(10)	(0)	(0)	(10)
HEART	(10)	(0)	(0)	(10)
CARDIOMYOPATHY	4 (40%) [4]			4 (40%) [4]

F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
ENDOCRINE SYSTEM				
ADRENAL GLAND	(10)	(0)	(0)	(10)
PARATHYROID GLAND	(10)	(0)	(0)	(10)
PITUITARY GLAND	(10)	(0)	(0)	(10)
THYROID GLAND	(10)	(0)	(0)	(10)
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				

F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
GENITAL SYSTEM				
COAGULATING GLAND	(10)	(10)	(10)	(9)
EPIDIDYMIS	(10)	(10)	(10)	(10)
DUCT; EXFOLIATED GERM CELL				3 (30%) [3]
HYPOPLASIA				1 (10%) [1]
DUCT; HYPOSPERMIA				1 (10%) [1]
PENIS	(2)	(0)	(0)	(1)
DEVELOPMENTAL MALFORMATION				1 (100%) [1]
PREPUTIAL GLAND	(10)	(10)	(10)	(10)
ABSCESS	1 (10%) [1]			
DUCT; ECTASIA	2 (20%) [2]	2 (20%) [2]		2 (20%) [2]
INFLAMMATION, CHRONIC	2 (20%) [2]	4 (40%) [4]	3 (30%) [3]	
PROSTATE GLAND	(10)	(10)	(10)	(10)
HYPOPLASIA; DORSOLATERAL				10 (100%) [10]
HYPOPLASIA; VENTRAL				10 (100%) [10]
INFLAMMATION, CHRONIC; VENTRAL	3 (30%) [3]	5 (50%) [5]	4 (40%) [4]	4 (40%) [4]
SEMINAL VESICLE	(10)	(10)	(10)	(10)
BILATERAL; HYPOPLASIA				10 (100%) [10]
TESTIS	(10)	(10)	(10)	(10)
GERM CELL; APOPTOSIS				1 (10%) [1]
LEYDIG CELL; ATROPHY				1 (10%) [1]
GERMINAL EPITHELIUM; DEGENERATION				2 (20%) [2]
SEMINIFEROUS TUBULE; RETENTION; SPERMATID				1 (10%) [1]

F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
HEMATOLYMPHOID SYSTEM				
BONE MARROW, FEMUR	(10)	(0)	(0)	(10)
LYMPH NODE, MANDIBULAR	(10)	(0)	(0)	(10)
LYMPH NODE, MESENTERIC	(10)	(0)	(0)	(10)
SPLEEN	(10)	(0)	(0)	(10)
THYMUS	(9)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM				
MAMMARY GLAND	(9)	(0)	(0)	(9)
SKIN	(10)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM				
BONE, FEMUR	(10)	(0)	(0)	(10)
NASAL TURBINATES	(10)	(0)	(0)	(9)
NERVOUS SYSTEM				
BRAIN	(10)	(0)	(0)	(10)
RESPIRATORY SYSTEM				
LUNGS WITH BRONCHI	(10)	(0)	(0)	(10)
TRACHEA	(10)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM				
EYE	(10)	(0)	(0)	(10)
HARDERIAN GLAND	(10)	(0)	(0)	(10)
ZYMBALS GLAND	(7)	(0)	(0)	(10)
URINARY SYSTEM				
KIDNEY	(10)	(0)	(0)	(10)
CHRONIC PROGRESSIVE NEPHROPATHY	10 (100%) [10]			5 (50%) [5]
CORTICOMEDULLARY JUNCTION; MINERAL				7 (70%) [7]
URINARY BLADDER	(10)	(0)	(0)	(10)

F1 Female: Subchronic Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Disposition Summary				
Animals Initially In Study	**10**	**10**	**10**	**10**
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 116 - 120)	**10**	**10**	**10**	**10**
Animals Examined Microscopically	**10**	**10**	**10**	**10**
Total number litters	**10**	**10**	**10**	**10**
ALIMENTARY SYSTEM				
ESOPHAGUS	(10)	(0)	(0)	(10)
INTESTINE, CECUM	(10)	(0)	(0)	(10)
INTESTINE, COLON	(10)	(0)	(0)	(10)
INTESTINE, DUODENUM	(10)	(0)	(0)	(10)
INTESTINE, ILEUM	(10)	(0)	(0)	(10)
INTESTINE, JEJUNUM	(10)	(0)	(0)	(10)
INTESTINE, RECTUM	(10)	(0)	(0)	(10)
LYMPHOID TISSUE; HYPERPLASIA				1 (10%) [1]
LIVER	(10)	(1)	(0)	(10)
BASOPHILIC FOCUS				1 (10%) [1]
DEFORMITY		1 (100%) [1]		
HEPATODIAPHRAGMATIC NODULE	2 (20%) [2]			
PANCREAS	(10)	(0)	(0)	(10)
ACINAR CELL; ATROPHY	1 (10%) [1]			
SALIVARY GLAND	(10)	(0)	(0)	(10)
STOMACH	(10)	(0)	(0)	(10)

F1 Female: Subchronic Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
CARDIOVASCULAR SYSTEM				
AORTA	(10)	(0)	(0)	(10)
HEART	(10)	(0)	(0)	(10)
CARDIOMYOPATHY				1 (10%) [1]
ENDOCRINE SYSTEM				
ADRENAL GLAND	(10)	(0)	(0)	(10)
PARATHYROID GLAND	(7)	(0)	(0)	(8)
PITUITARY GLAND	(10)	(0)	(0)	(10)
THYROID GLAND	(10)	(0)	(0)	(10)
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
CERVIX	(10)	(10)	(10)	(10)
CLITORAL GLAND	(10)	(1)	(0)	(10)
DUCT; ECTASIA	4 (40%) [4]	1 (100%) [1]		1 (10%) [1]
INFLAMMATION, CHRONIC				1 (10%) [1]
OVARY	(10)	(10)	(10)	(10)
FOLLICLE; CYST	1 (10%) [1]			2 (20%) [2]
BILATERAL; HYPOPLASIA				10 (100%) [10]
UTERUS	(10)	(10)	(10)	(10)
ENDOMETRIUM; CYST	1 (10%) [1]	1 (10%) [1]	1 (10%) [1]	
DILATION; GLANDULAR			2 (20%) [2]	
DILATION; GLANDULAR, CYSTIC				6 (60%) [6]
STROMA; HYALINIZATION				10 (100%) [10]
HYPOPLASIA				10 (100%) [10]
EPITHELIUM; METAPLASIA; SQUAMOUS				10 (100%) [10]
VAGINA	(10)	(10)	(10)	(10)
MUCIFICATION		1 (10%) [1]		

F1 Female: Subchronic Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
HEMATOLYMPHOID SYSTEM				
BONE MARROW, FEMUR	(10)	(0)	(0)	(10)
LYMPH NODE, MANDIBULAR	(10)	(0)	(0)	(10)
LYMPH NODE, MESENTERIC	(9)	(0)	(0)	(10)
SPLEEN	(10)	(0)	(0)	(10)
THYMUS	(10)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM				
MAMMARY GLAND	(10)	(0)	(0)	(10)
SKIN	(10)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM				
BONE, FEMUR	(10)	(0)	(0)	(10)
NASAL TURBINATES	(10)	(0)	(0)	(10)
NERVOUS SYSTEM				
BRAIN	(10)	(0)	(0)	(10)
RESPIRATORY SYSTEM				
LUNGS WITH BRONCHI	(10)	(0)	(0)	(10)
TRACHEA	(10)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM				
EYE	(10)	(0)	(0)	(10)
HARDERIAN GLAND	(10)	(0)	(0)	(10)
ZYMBALS GLAND	(10)	(0)	(0)	(10)
DUCT; ECTASIA	2 (20%) [2]			

F1 Female: Subchronic Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
URINARY SYSTEM				
KIDNEY	(10)	(0)	(0)	(10)
CHRONIC PROGRESSIVE NEPHROPATHY	6 (60%) [6]			4 (40%) [4]
INFARCT, CHRONIC; MULTIPLE				1 (10%) [1]
CORTICOMEDULLARY JUNCTION; MINERAL	9 (90%) [9]			6 (60%) [6]
NEPHROBLASTEMATOSIS	1 (10%) [1]			
URINARY BLADDER	(10)	(0)	(0)	(9)
HYPERPLASIA; UROTHELIAL				1 (11%) [1]

F1 Male: Prenatal Males

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Disposition Summary				
Animals Initially In Study	**22**	**21**	**22**	**20**
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 119 - 121)	**22**	**21**	**22**	**20**
Animals Examined Microscopically	**7**	**3**	**2**	**20**
Total number litters	**7**	**3**	**2**	**20**
ALIMENTARY SYSTEM				
INTESTINE, COLON	(2)	(1)	(0)	(0)
LYMPHOID TISSUE; PEYERS PATCH; HYPERPLASIA		1 (100%) [1]		
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				

F1 Male: Prenatal Males

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
GENITAL SYSTEM				
COWPERS GLAND	(2)	(0)	(1)	(16)
HYPOPLASIA				12 (75%) [12]
EPIDIDYMIS	(3)	(0)	(0)	(1)
ASPERMIA	1 (33%) [1]			1 (100%) [1]
LEVATOR ANI PLUS BULBOCAVERNOSUS MUSCLE	(2)	(0)	(1)	(18)
HYPOPLASIA				17 (94%) [17]
PREPUTIAL GLAND	(7)	(2)	(0)	(1)
ABSCESS		1 (50%) [1]		1 (100%) [1]
DUCT; ECTASIA	6 (86%) [6]	2 (100%) [2]		1 (100%) [1]
INFLAMMATION, ACUTE	1 (14%) [1]			
INFLAMMATION, CHRONIC	1 (14%) [1]			
PROSTATE GLAND	(2)	(0)	(0)	(19)
HYPOPLASIA; DORSOLATERAL				18 (95%) [18]
HYPOPLASIA; VENTRAL				18 (95%) [18]
INFLAMMATION, CHRONIC; VENTRAL				12 (63%) [12]
SEMINAL VESICLE	(2)	(1)	(1)	(19)
HYPOPLASIA		1 (100%) [1]	1 (100%) [1]	19 (100%) [19]
TESTIS	(3)	(0)	(0)	(1)
SEMINIFEROUS TUBULE; ATROPHY	1 (33%) [1]			1 (100%) [1]
EDEMA	1 (33%) [1]			
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				

F1 Male: Prenatal Males

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
NERVOUS SYSTEM				
No Tissues/Organs Examined				
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
No Tissues/Organs Examined				

F1 Female: Prenatal Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Disposition Summary				
Animals Initially In Study	**22**	**21**	**22**	**20**
Early Deaths				
Euthanized, moribund	**1**			
Unscheduled Sacrifice				**1**
Scheduled Deaths				
Scheduled sacrifice, terminal (GD 21, LD 0, PND 125 - 129)	**21**	**21**	**22**	**19**
Animals Examined Microscopically	**3**		**1**	**19**
Total number litters	**3**		**1**	**19**
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				

F1 Female: Prenatal Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
GENITAL SYSTEM				
CERVIX	(0)	(0)	(1)	(19)
OVARY	(2)	(0)	(1)	(19)
FOLLICLE; CYST			1 (100%) [1]	
HYPOPLASIA			1 (100%) [1]	19 (100%) [19]
UTERUS	(0)	(0)	(1)	(19)
ENDOMETRIUM; CYST			1 (100%) [1]	4 (21%) [4]
HYPOPLASIA			1 (100%) [1]	19 (100%) [19]
EPITHELIUM; METAPLASIA; SQUAMOUS			1 (100%) [1]	19 (100%) [19]
EPITHELIUM; NECROSIS			1 (100%) [1]	19 (100%) [19]
VAGINA	(0)	(0)	(1)	(19)
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
BRAIN	(1)	(0)	(0)	(0)
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
No Tissues/Organs Examined				

F1 Male: Fertility Males

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Disposition Summary				
Animals Initially In Study	**22**	**24**	**21**	**20**
Early Deaths				
Found Dead		**1**		
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 152 - 154)	**22**	**23**	**21**	**20**
Animals Examined Microscopically	**22**	**24**	**21**	**20**
Total number litters	**22**	**24**	**21**	**20**
ALIMENTARY SYSTEM				
LIVER	(2)	(1)	(1)	(0)
HEPATODIAPHRAGMATIC NODULE		1 (100%) [1]		
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
PITUITARY GLAND	(22)	(0)	(0)	(20)
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				

F1 Male: Fertility Males

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
GENITAL SYSTEM				
COAGULATING GLAND	(22)	(24)	(21)	(20)
BILATERAL; HYPOPLASIA				18 (90%) [18]
COWPERS GLAND	(22)	(24)	(21)	(20)
BILATERAL; HYPOPLASIA				15 (75%) [15]
HYPOPLASIA		1 (4%) [1]		
EPIDIDYMIS	(22)	(24)	(21)	(20)
ASPERMIA	1 (5%) [1]			
DUCT; ATROPHY				10 (50%) [10]
DUCT; EXFOLIATED GERM CELL			1 (5%) [1]	5 (25%) [5]
HYPOPLASIA				1 (5%) [1]
DUCT; HYPOSPERMIA			1 (5%) [1]	6 (30%) [6]
LEVATOR ANI PLUS BULBOCAVERNOSUS MUSCLE	(22)	(24)	(21)	(20)
HYPOPLASIA			1 (5%) [1]	17 (85%) [17]
PENIS	(1)	(0)	(0)	(0)
PENIS, GLANS	(0)	(0)	(0)	(1)
DEVELOPMENTAL MALFORMATION				1 (100%) [1]
PREPUTIAL GLAND	(22)	(24)	(21)	(20)
ABSCESS	5 (23%) [5]	3 (13%) [3]		
DUCT; ECTASIA	7 (32%) [7]	15 (63%) [15]	12 (57%) [12]	6 (30%) [6]
INFLAMMATION, CHRONIC	7 (32%) [7]	8 (33%) [8]	9 (43%) [9]	6 (30%) [6]
PROSTATE GLAND	(22)	(24)	(21)	(20)
HYPOPLASIA; DORSOLATERAL				18 (90%) [18]
HYPOPLASIA; VENTRAL				18 (90%) [18]
INFLAMMATION, CHRONIC; VENTRAL	9 (41%) [9]	6 (25%) [6]	6 (29%) [6]	6 (30%) [6]
SEMINAL VESICLE	(22)	(24)	(21)	(20)
BILATERAL; HYPOPLASIA				18 (90%) [18]
TESTIS	(22)	(24)	(21)	(20)

F1 Male: Fertility Males

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
GERM CELL; APOPTOSIS				1 (5%) [1]
LEYDIG CELL; ATROPHY				11 (55%) [11]
SEMINIFEROUS TUBULE; ATROPHY	1 (5%) [1]			
GERMINAL EPITHELIUM; DEGENERATION			1 (5%) [1]	6 (30%) [6]
INTERSTITIAL CELL; HYPERPLASIA	1 (5%) [1]			
HYPOPLASIA				1 (5%) [1]
SEMINIFEROUS TUBULE; RETENTION; SPERMATID				8 (40%) [8]
HEMATOLYMPHOID SYSTEM				
SPLEEN	(0)	(1)	(0)	(0)
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
No Tissues/Organs Examined				
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
No Tissues/Organs Examined				

F1 Female: Fertility Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Disposition Summary				
Animals Initially In Study	**22**	**24**	**21**	**20**
Early Deaths				
Unscheduled Sacrifice				**1**
Scheduled Deaths				
Scheduled sacrifice, terminal (GD 46 - 50, LD 26 - 28, PND 158 - 162)	**22**	**24**	**21**	**19**
Animals Examined Microscopically	**22**	**24**	**21**	**20**
Total number litters	**22**	**24**	**21**	**20**
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
PITUITARY GLAND	(22)	(0)	(0)	(19)
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				

F1 Female: Fertility Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
GENITAL SYSTEM				
CERVIX	(22)	(24)	(21)	(20)
CYST; SQUAMOUS	1 (5%) [1]		1 (5%) [1]	1 (5%) [1]
INFLAMMATION, ACUTE				1 (5%) [1]
OVARY	(22)	(24)	(21)	(20)
FOLLICLE; CYST	2 (9%) [2]		1 (5%) [1]	
BILATERAL; HYPOPLASIA		1 (4%) [1]		20 (100%) [20]
HYPOPLASIA		2 (8%) [2]		
OVIDUCT	(1)	(0)	(0)	(1)
UTERUS	(22)	(24)	(21)	(20)
EPITHELIUM; APOPTOSIS; INCREASED			1 (5%) [1]	3 (15%) [3]
CERVIX; CYST			1 (5%) [1]	
DECIDUAL REACTION	1 (5%) [1]			
DILATION; GLANDULAR	2 (9%) [2]			
DILATION; GLANDULAR, CYSTIC				8 (40%) [8]
DILATION		1 (4%) [1]		
STROMA; HYALINIZATION			8 (38%) [8]	18 (90%) [18]
HYPOPLASIA				18 (90%) [18]
CERVIX; INFLAMMATION, ACUTE				1 (5%) [1]
INFLAMMATION, ACUTE				1 (5%) [1]
EPITHELIUM; METAPLASIA; SQUAMOUS				20 (100%) [20]
POLYP STROMAL			1 (5%) [1]	
VAGINA	(22)	(24)	(21)	(20)
CYST	1 (5%) [1]			
DEVELOPMENTAL MALFORMATION				1 (5%) [1]
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				

F1 Female: Fertility Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
BRAIN	(3)	(0)	(0)	(0)
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
No Tissues/Organs Examined				

F1 Male: F1 Extra Males

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Disposition Summary				
Animals Initially In Study	**21**	**46**	**46**	**40**
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 28)	**21**	**46**	**46**	**40**
Animals Examined Microscopically	**3**		**8**	**20**
Total number litters	**2**		**5**	**9**
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
EPIDIDYMIS	(2)	(0)	(8)	(18)
BILATERAL; IMMATURE			8 (100%) [5]	16 (89%) [7]
IMMATURE				1 (6%) [1]
TESTIS	(2)	(0)	(8)	(20)
BILATERAL; IMMATURE			8 (100%) [5]	17 (85%) [8]
IMMATURE				3 (15%) [2]
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				

F1 Male: F1 Extra Males

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
No Tissues/Organs Examined				
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
KIDNEY	(2)	(0)	(0)	(0)
PELVIS; DILATION	1 (50%) [1]			

F1 Female: F1 Extra Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Disposition Summary				
Animals Initially In Study	**45**	**29**	**48**	**17**
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 28)	**45**	**29**	**48**	**17**
Animals Examined Microscopically	**1**			
Total number litters	**1**			
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
No Tissues/Organs Examined				
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
No Tissues/Organs Examined				

F1 Female: F1 Extra Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
KIDNEY	(1)	(0)	(0)	(0)

F1 Male: PND28 Bio&MGWM Male

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Disposition Summary				
Animals Initially In Study	**12**	**12**	**12**	**12**
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 28)	**12**	**12**	**12**	**12**
Animals Examined Microscopically			**1**	**3**
Total number litters			**1**	**3**
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
EPIDIDYMIS	(0)	(0)	(0)	(3)
BILATERAL; IMMATURE				3 (100%) [3]
TESTIS	(0)	(0)	(1)	(3)
BILATERAL; IMMATURE				3 (100%) [3]
IMMATURE			1 (100%) [1]	
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				

F1 Male: PND28 Bio&MGWM Male

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
No Tissues/Organs Examined				
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
No Tissues/Organs Examined				

F1 Female: Bio&MGWM @ VO

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Disposition Summary				
Animals Initially In Study	**12**	**12**	**12**	**12**
Early Deaths				
Unscheduled Sacrifice				**1**
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 26 - 39)	**12**	**12**	**12**	**11**
Animals Examined Microscopically	**12**	**12**	**12**	**12**
Total number litters	**12**	**11**	**9**	**12**
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				

F1 Female: Bio&MGWM @ VO

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
GENITAL SYSTEM				
CERVIX	(2)	(0)	(0)	(0)
OVARY	(12)	(12)	(12)	(12)
HYPOPLASIA			1 (8%) [1]	
INFLAMMATION, ACUTE				1 (8%) [1]
OVIDUCT	(0)	(0)	(0)	(1)
INFLAMMATION, ACUTE				1 (100%) [1]
UTERUS	(2)	(0)	(0)	(1)
INFLAMMATION, ACUTE				1 (100%) [1]
VAGINA	(2)	(0)	(0)	(1)
DEVELOPMENTAL MALFORMATION				1 (100%) [1]
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
No Tissues/Organs Examined				
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
No Tissues/Organs Examined				

LEGEND

Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion.

Number of animals with observation reported with percent incidence in parentheses

Number of litters with observations shown in square brackets for F1 and F2 animals. F1 litter incidence based on the number of F0 dams; F2 litter incidence based on number of F1 dams.

Phase day range of terminal sacrifice shown in parentheses in disposition summary

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

** END OF REPORT **