

1,4-ジオキサンのラット及びマウスを用いた
経口(混水)投与によるがん原性試験

APPENDIX

X-2

がん原性試験 NO. 0063 ; 0064

APPENDIX X2

HISTOLOGICAL FINDINGS (INDIVIDUAL)

RAT:FEMALE

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 381

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2001	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<2>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<2>
			heart	myocardial fibrosis,<3>
			tooth	dysplasia,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	hyperplasia,<2>//ulcer,<2>
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	peliasis-like lesion,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>//inflammation,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2001	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	fatty change,<3>,cortex//pheochromocytoma,' 0'
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	clitoral gland tumor,' 0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>//keratitis,<3>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2002	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2002	SCHEDULED	105-1	lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<2>//peliosis-like lesion,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2002	SCHEDULED	105-1	ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2003	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar cell hyperplasia,<2>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>//mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2003	SCHEDULED	105-1	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2003	SCHEDULED	105-1	periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2004	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	granulation,<2>
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	papilloma,' 0'
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2004	SCHEDULED	105-1	Liver	bile duct hyperplasia,<1>//herniation,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>//Rathke pouch,<1>//cyst,<2>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	hemorrhage,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	osteosclerosis,<1>			
2005	SCHEDULED	105-1	skin/app	NON-REMARKABLE

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 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2005	SCHEDULED	105-1	nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	necrosis:focal,<1>//granulation,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	C-cell adenoma,'0'

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2005	SCHEDULED	105-1	parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	clitoral gland tumor,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2006	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<1>
			larynx	inflammation,<2>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE

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 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2006	SCHEDULED	105-1	Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<2>//deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenocarcinoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			ovary	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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 ALL ANIMALS (0-104W)

PAGE : 391

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2006	SCHEDULED	105-1	uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hemorrhage,<1>//metastasis:pituitary tumor,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2007	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104#)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2007	SCHEDULED	105-1	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 393

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2007	SCHEDULED	105-1	eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2008	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	granulation,<1>
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			
liver	basophilic cell focus,<2>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2008	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<1>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<2>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	osteosclerosis,<1>			
2009	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 395

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2009	SCHEDULED	105-1	trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	cyst,<2>
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	herniation,<2>//granulation,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

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 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2009	SCHEDULED	105-1	adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	dilatation,<3>
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			2010	SCHEDULED
nasal cavit	eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<1>			
trachea	NON-REMARKABLE			
lung/branch	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			
spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2010	SCHEDULED	105-1	heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>//deposit of hemosiderin,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	C-cell hyperplasia,<1>//C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	cyst,<2>
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2010	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2011	DEAD	104-7	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//eosinophilic change:olfactory epithelium,<2>// eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<2>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2011	DEAD	104-7	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'1'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2011	DEAD	104-7	bone	osteosclerosis,<1>
			adipose	granulation,<1>
			Cause of Death	tumor death (LEUKEMIA)
2012	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			
liver	bile duct hyperplasia,<1>//vacuolated cell focus,<2>//fatty change,<1>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2012	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>//cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	hemorrhage,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>//retinal atrophy,<3>//phthisis bulbi,<2>
			Harder gl	inflammation,<1>
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
2013	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2013	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 403

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2013	SCHEDULED	105-1	adrenal	hyperplasia:cortical cell,<1>//peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<3>//phthisis bulbi,<3>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<1>
			2014	SCHEDULED
nasal cavit	eosinophilic change:olfactory epithelium,<1>			
trachea	NON-REMARKABLE			
lung/branch	accumulation of foamy cells,<1>			
bone marrow	NON-REMARKABLE			
Lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2014	SCHEDULED	105-1	spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	basophilic cell focus,<1>//acidophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>//peliosis-like lesion,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,' 0' //fibroadenoma,' 0'

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 405

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2014	SCHEDULED	105-1	brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2015	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	granulation,<1>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 406

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2015	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>//Rathke pouch,<1>//cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2015	SCHEDULED	105-1	bone	NON-REMARKABLE
2016	DEAD	89-7	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	Leukemic cell infiltration,<2>
			bone marrow	Leukemic cell infiltration,<1>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,' 4'
			heart	myocardial fibrosis,<2>
			toneue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	basophilic cell focus,<1>//Leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2016	DEAD	89-7	pituitary	adenoma,'1'
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	hemorrhage,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
			Cause of Death	tumor death (LEUKEMIA)
2017	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2017	SCHEDULED	105-1	Lung/branch	bronchiolar-alveolar adenoma,'0'
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	vacuolated cell focus,<2>//granulation,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2017	SCHEDULED	105-1	ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			nasolacr d	inflammation,<2>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			2018	SCHEDULED
nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>, respiratory epithelium			
trachea	NON-REMARKABLE			
lung/branch	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
Lymph node	NON-REMARKABLE			
thymus	NOT-EXAMINE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2018	SCHEDULED	105-1	spleen	extramedullary hematopoiesis,<2>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>//cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2018	SCHEDULED	105-1	brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph neru	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2019	MORIBUND	89-4	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//thrombus,<2>
			trachea	NON-REMARKABLE
			Lung/branch	leukemic cell infiltration,<3>
			bone marrow	leukemic cell infiltration,<1>
			Lymph node	leukemic cell infiltration,<3>
			thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'4'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	ulcer,<3>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2019	MORIBUND	89-4	gl stomach	atrophy:glandular mucosa,<2>//ulcer,<3>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	collapse,<3>//leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial hyperplasia,<2>,cystic
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	leukemic cell infiltration,<1>
			spinal cord	leukemic cell infiltration,<1>
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2019	MORIBUND	89-4	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (LEUKEMIA)
2020	MORIBUND	71-1	skin/app	NON-REMARKABLE
			nasal cavit	thrombus,<2>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis:increased,<1>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<1>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			
liver	necrosis:central,<3>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2020	MORIBUND	71-1	pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'1'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	hepatic lesion

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2021	DEAD	100-3	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	leukemic cell infiltration,<2>
			thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'4'
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	herniation,<2>//leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2021	DEAD	100-3	thyroid	C-cell adenoma,'1'
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>
			Harder gl	NON-REMARKABLE
			nasolacr d	inflammation,<2>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
	Cause of Death	tumor death (LEUKEMIA)		
2022	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2022	SCHEDULED	105-1	Lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	granulation,<1>
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>//peliosis-like lesion,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>//peliosis-like lesion,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings			
2022	SCHEDULED	105-1	ovary	cyst,<2>			
			uterus	NON-REMARKABLE			
			vagina	NON-REMARKABLE			
			mammary gl	NON-REMARKABLE			
			brain	hyaline body,<1>			
			spinal cord	NON-REMARKABLE			
			periph nerv	NON-REMARKABLE			
			eye	NON-REMARKABLE			
			Harder gl	NON-REMARKABLE			
			muscle	NON-REMARKABLE			
			bone	NON-REMARKABLE			
			2023	SCHEDULED	105-1	skin/app	NON-REMARKABLE
						nasal cavit	eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<1>
trachea	NON-REMARKABLE						
lung/branch	NON-REMARKABLE						
bone marrow	NON-REMARKABLE						
Lymph node	granulation,<2>						
thymus	NOT-EXAMINE						
spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>						
heart	myocardial fibrosis,<1>						

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2023	SCHEDULED	105-1	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			Kidney	chronic nephropathy,<1>//lipoma,'0'
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>//cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2023	SCHEDULED	105-1	periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2024	DEAD	100-5	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//thrombus,<1> (AUTOLYSIS)
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<3>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	ulcer,<2>
gl stomach	atrophy:glandular mucosa,<2>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2024	DEAD	100-5	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	collapse,<3>
			pancreas	NON-REMARKABLE
			kidney	necrosis,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>//peliasis-like lesion,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	cortical adenoma,'1'
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'1'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2024	DEAD	100-5	bone	NON-REMARKABLE
			Cause of Death	tumor death (LEUKEMIA)
2025	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	interstitial penumonia,<3>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<2>//hepatocellular adenoma,'0'
			pancreas	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2025	SCHEDULED	105-1	kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	hemorrhage,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	clitoral gland tumor,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<2>
2026	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2026	SCHEDULED	105-1	nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<2>
			trachea	NON-REMARKABLE
			lung/bronch	NON-REMARKABLE
			bone marrow	granulation,<1>
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>//cyst,<2>
			thyroid	follicular adenoma,' 0'

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2026	SCHEDULED	105-1	parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosclerosis,<1>
			2027	DEAD
nasal cavit	eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>,respiratory epithelium			
trachea	NON-REMARKABLE			
lung/bronch	NON-REMARKABLE			
bone marrow	erythropoiesis:increased,<2>			
Lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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 ANIMAL : RAT F344
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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2027	DEAD	92-4	spleen	extramedullary hematopoiesis,<3>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<1>//necrosis:central,<3>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	cyst,<2>
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2027	DEAD	92-4	brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			peritoneum	mesothelioma,'4'
			Cause of Death	tumor death (MESOTHELIOMA)
2028	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/bronch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<2>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
tongue	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104#)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2028	SCHEDULED	105-1	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	basophilic cell focus,<1>//herniation,<1>
			pancreas	NON-REMARKABLE
			Kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2028	SCHEDULED	105-1	eye	retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2029	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	interstitial pneumonia,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			
liver	bile duct hyperplasia,<1>//herniation,<1>//necrosis:facal,<2>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2029	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	C-cell hyperplasia,<1>//follicular adenoma,'0'
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	clitoral gland tumor,'0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
Harder gl	NON-REMARKABLE			
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
2030	MORIBUND	96-7	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2030	MORIBUND	96-7	nasal cavit	eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>,respiratory epithelium//thrombus,<1>
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'4'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE
			kidney	deposit of hemosiderin,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'1'
			thyroid	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2030	MORIBUND	96-7	parathyroid	NON-REMARKABLE
			adrenal	leukemic cell infiltration,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
				Cause of Death
2031	SCHEDULED	105-1	skin/app	epidermal cyst,'0'
			nasal cavit	eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2031	SCHEDULED	105-1	Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<2>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<3>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<2>//adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2031	SCHEDULED	105-1	vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosclerosis,<2>
2032	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
salivary gl	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104#)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2032	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>
			pancreas	atrophy,<1>
			Kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>//adenoma,'0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2032	SCHEDULED	105-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2033	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<2>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>//mixed cell focus,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2033	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliasis-like lesion,<2>//pheochromocytoma,'0'
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	hyperplasia,<1>
			nasolacr d	inflammation,<1>
muscle	NON-REMARKABLE			
bone	osteosclerosis,<3>			
2034	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2034	SCHEDULED	105-1	nasal cavit	eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2034	SCHEDULED	105-1	parathyroid	NOT-EXAMINE
			adrenal	hemorrhage,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2035	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<2>// inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2035	SCHEDULED	105-1	thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<1>//adenoma,'0'
			thyroid	C-cell adenoma,'0'
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 442

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2035	SCHEDULED	105-1	vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			nasolacr d	inflammation,<1>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2036	MORIBUND	89-2	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//thrombus,<3>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	leukemic cell infiltration,<1>
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'4'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 443

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2036	MORIBUND	89-2	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	collapse,<3>
			pancreas	NON-REMARKABLE
			kidney	deposit of hemosiderin,<3>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:cortical cell,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
brain	hyaline body,<1>//hemorrhage,<1>			
spinal cord	NON-REMARKABLE			
periph nerv	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 444

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2036	MORIBUND	89-2	eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (LEUKEMIA)
2037	MORIBUND	88-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 445

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2037	MORIBUND	88-6	Large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//herniation,<1>//vacuolated cell focus,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 4'
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,' 1'
			vagina	NON-REMARKABLE
			mammary gl	adenoma,' 1'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2037	MORIBUND	88-6		
			Cause of Death	tumor death (PITUITARY TUMOR)
2038	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	osteoma,' 0'
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<2>//basophilic cell focus,<1>//clear cell focus,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2038	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
2039	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2039	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//granulation,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2039	SCHEDULED	105-1	adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			2040	SCHEDULED
nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>			
trachea	NON-REMARKABLE			
lung/branch	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
Lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			
spleen	deposit of hemosiderin,<2>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

PAGE : 450

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2040	SCHEDULED	105-1	heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//granulation,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2040	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2041	DEAD	96-6	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//thrombus,<2>
			trachea	NON-REMARKABLE
			Lung/branch	pneumonia:NOS,<2>
			bone marrow	leukemic cell infiltration,<1>
			Lymph node	leukemic cell infiltration,<3>
			thymus	NOT-EXAMINE
			spleen	fibrosis,<3>//mononuclear cell leukemia,'4'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			stomach	leukemic cell infiltration,<3>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2041	DEAD	96-6	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	collapse,<4>
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	leukemic cell infiltration,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:medulla,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'1'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2041	DEAD	96-6	bone	NON-REMARKABLE
			adipose	granulation,<1>
			Cause of Death	tumor death (LEUKEMIA)
2042	SCHEDULED	105-1	skin/app	epidermal cyst,'0'
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<2>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>//hyperplasia,<1>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2042	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<2>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
2043	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2043	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2043	SCHEDULED	105-1	adrenal	hyperplasia:cortical cell,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosclerosis,<2>
2044	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2044	SCHEDULED	105-1	heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<2>//granulation,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>//cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2044	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph neru	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2045	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>// inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2045	SCHEDULED	105-1	stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>//adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2045	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2046	MORIBUND	88-6	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<3>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	erosion,<1>
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<1>
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			
Liver	fatty change,<3>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 461

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2046	MORIBUND	88-6	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenocarcinoma,'4'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'1'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			nasolacr d	inflammation,<2>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2046	MORIBUND	88-6		(PITUITARY TUMOR)
2047	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<2>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 463

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2047	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
2048	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 464

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2048	SCHEDULED	105-1	bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<2>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	granulation,<3>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	C-cell adenoma,' 0'
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 465

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2048	SCHEDULED	105-1	uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph neru	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2049	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	granulation,<1>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary homatopoiesis,<1>//deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<1>
tongue	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

PAGE : 466

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2049	SCHEDULED	105-1	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//granulation,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 467

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2049	SCHEDULED	105-1	eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2050	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			
Liver	bile duct hyperplasia,<1>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : Control

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2050	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2101	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2101	SCHEDULED	105-1	thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2102	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//thrombus,<3>
			trachea	NON-REMARKABLE
			lung/branch	congestion,<2>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2102	SCHEDULED	105-1	thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	necrosis:facal,<3>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	cyst,<1>
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 472

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2102	SCHEDULED	105-1	mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2103	MORIBUND	103-1	skin/app	NON-REMARKABLE
			subcutis	fibroma,'1'
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar cell hyperplasia,<1>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 473

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2103	MORIBUND	103-1	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>//ulcer,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>//granulation,<2>
			pancreas	NON-REMARKABLE
			kidney	deposit of hemosiderin,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'4'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 474

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2103	MORIBUND	103-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (PITUITARY TUMOR)
2104	MORIBUND	83-2	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<3>
			bone marrow	NON-REMARKABLE
			lymph node	leukemic cell infiltration,<3>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	hyperplasia,<2>//ulcer,<3>
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<2>
small intes	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 475

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2104	MORIBUND	83-2	large intes	NON-REMARKABLE
			liver	leukemic cell infiltration,<4>
			pancreas	atrophy,<1>
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>//hemorrhage,<2>,retina
			Harder gl	NON-REMARKABLE
			muscle	necrosis,<1>
			bone	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 476

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2104	MORIBUND	83-2		
			Cause of Death	tumor death (LEUKEMIA)
2105	MORIBUND	104-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<1>//inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 477

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2105	MORIBUND	104-6	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 4'
			thyroid	C-cell adenoma,' 2'
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 478

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2105	MORIBUND	104-6		(PITUITARY TUMOR)
2106	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	reticulosis,<1>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 479

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2106	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	cyst,<2>
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	osteosclerosis,<1>			
2107	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2107	SCHEDULED	105-1	bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>//peliasis-like lesion,<1>
			ovary	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2107	SCHEDULED	105-1	uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>//hemorrhage,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2108	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2108	SCHEDULED	105-1	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<2>//granulation,<2>
			pancreas	atrophy,<1>
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			panc islet	islet cell adenoma,'0'
			adrenal	hyperplasia:cortical cell,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2108	SCHEDULED	105-1	periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2109	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2109	SCHEDULED	105-1	liver	bile duct hyperplasia,<1>//basophilic cell focus,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
2110	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 485

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2110	SCHEDULED	105-1	nasal cavit	eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<1>
			bone marrow	erythropoiesis:increased,<1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<2>//necrosis:focal,<1>//leukemic cell infiltration,<1>
			pancreas	atrophy,<1>
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2110	SCHEDULED	105-1	parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>//peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			2111	SCHEDULED
nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>			
trachea	NON-REMARKABLE			
lung/bronch	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
Lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2111	SCHEDULED	105-1	spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	C-cell adenoma,'0'
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 488

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2111	SCHEDULED	105-1	brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<1>
2112	DEAD	102-7	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	congestion,<1>,with,edema
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2112	DEAD	102-7	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenocarcinoma,'4'
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:cortical cell,<1>//peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'1'
			brain	hyaline body,<1>//hemorrhage,<1>//metastasis:pituitary tumor,<1>
			spinal cord	hemorrhage,<1>
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2112	DEAD	102-7	Harder gl	NON-REMARKABLE
			nasolacr d	inflammation,<1>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (PITUITARY TUMOR)
2113	DEAD	98-4	skin/app	epidermal cyst,'1'
			nasal cavit	eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	congestion,<2>,with,edema
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<1>
			small intes	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

PAGE : 491

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2113	DEAD	98-4	Large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 4'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hemorrhage,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			nasolacr d	inflammation,<2>
			muscle	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2113	DEAD	98-4	bone	NON-REMARKABLE
			Cause of Death	tumor death (PITUITARY TUMOR)
2114	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//clear cell focus,<1>
			pancreas	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2114	SCHEDULED	105-1	kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>//adenocarcinoma,'0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>//metastasis:pituitary tumor,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			nasolacr d	inflammation,<2>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<1>
2115	SCHEDULED	105-1	skin/app	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2115	SCHEDULED	105-1	nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	granulation,<1>
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<2>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>//granulation,<2>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2115	SCHEDULED	105-1	parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			2116	SCHEDULED
nasal cavit	eosinophilic change:olfactory epithelium,<1>			
trachea	NON-REMARKABLE			
lung/branch	bronchiolar-alveolar carcinoma,'0'			
bone marrow	NON-REMARKABLE			
Lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 496

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2116	SCHEDULED	105-1	spleen	deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	necrosis:focal,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<1>//thrombus,<1>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2116	SCHEDULED	105-1	brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2117	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	hyperplasia,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2117	SCHEDULED	105-1	gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<2>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	hyperkeratosis,<2>
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2117	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2118	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2118	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
2119	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2119	SCHEDULED	105-1	bone marrow	granulation,<1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<2>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<2>
			ovary	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2119	SCHEDULED	105-1	uterus	dilatation,<2>
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0'//fibroadenoma,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2120	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	granulation,<1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			artery/aort	arteritis,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2120	SCHEDULED	105-1	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 504

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2120	SCHEDULED	105-1	periph neru	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2121	DEAD	94-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<2>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 505

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2121	DEAD	94-1	Liver	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			Kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,' 3'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			

Cause of Death tumor death

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 506

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2121	DEAD	94-1		(MAMMARY TUMOR)
2122	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			subcutis	fibroma,'0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<2>//deposit of hemosiderin,<2>
			pancreas	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2122	SCHEDULED	105-1	kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	dilatation,<3>
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2123	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2123	SCHEDULED	105-1	lung/branch	bronchiolar-alveolar adenoma,' 0'
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//granulation,<2>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 509

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2123	SCHEDULED	105-1	ovary	NON-REMARKABLE
			uterus	dilatation,<2>
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2124	SCHEDULED	105-1	bone	osteosclerosis,<1>
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2124	SCHEDULED	105-1	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//peliosis-like lesion,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>//peliosis-like lesion,<1>
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2124	SCHEDULED	105-1	periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2125	MORIBUND	97-2	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	hyperplasia,<2>//ulcer,<3>
gl stomach	atrophy:glandular mucosa,<2>//erosion,<2>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2125	MORIBUND	97-2	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	peliosis-like lesion,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<4>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	C-cell adenoma,'1'
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:medulla,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>//keratitis,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2125	MORIBUND	97-2	bone	NON-REMARKABLE
			Cause of Death	chronic nephropathy
2126	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	leukemic cell infiltration,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile ductular proliferation,<2>//leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2126	SCHEDULED	105-1	kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>//adenoma,'0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
2127	DEAD	103-5	muscle	NON-REMARKABLE
			bone	osteosclerosis,<3>
			skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			trachea	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2127	DEAD	103-5	lung/branch	congestion,<1>,with,edema
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2127	DEAD	103-5	ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'1'
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'1'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			nasolacr d	inflammation,<2>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			retroperit	schwannoma:malignant,'4'
				Cause of Death tumor death (RETROPERITONEUM TUMOR)
2128	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	granulation,<2>
			bone marrow	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2128	SCHEDULED	105-1	Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2128	SCHEDULED	105-1	vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2129	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	hypoplasia,<2>
			Lymph node	leukemic cell infiltration,<4>
			thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'0'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2129	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	C-cell adenoma,'0'
			parathyroid	NOT-EXAMINE
			adrenal	leukemic cell infiltration,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 520

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2129	SCHEDULED	105-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2130	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			
Liver	bile duct hyperplasia,<1>			
pancreas	NON-REMARKABLE			

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2130	SCHEDULED	105-1	kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,' 0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2131	MORIBUND	91-3	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 522

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2131	MORIBUND	91-3	lung/branch	Leukemic cell infiltration,<2>
			bone marrow	hypoplasia,<1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	hyperplasia,<2>//ulcer,<3>
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	collapse,<3>//leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 523

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2131	MORIBUND	91-3	adrenal	hyperplasia:cortical cell,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>//hemorrhage,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	necrosis,<2>
			bone	NON-REMARKABLE
				Cause of Death
2132	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	granulation,<1>
			Lymph node	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2132	SCHEDULED	105-1	thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//acidophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 525

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2132	SCHEDULED	105-1	mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2133	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	squamous cell carcinoma,'0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>// inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<3>
			bone marrow	leukemic cell infiltration,<1>
			Lymph node	granulation,<1>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

PAGE : 526

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2133	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//collapse,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>//adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	leukemic cell infiltration,<1>
			ovary	NON-REMARKABLE
			uterus	dilatation,<3>
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 527

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2133	SCHEDULED	105-1	Harder gl	inflammation,<3>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2134	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<1>
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
small intes	NON-REMARKABLE			
large intes	NON-REMARKABLE			
Liver	basophilic cell focus,<1>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 528

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2134	SCHEDULED	105-1	kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenocarcinoma,'0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			panc islet	islet cell adenoma,'0'
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>//metastasis:pituitary tumor,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2135	SCHEDULED	105-1	skin/app	trichoepithelioma,'0'
			nasal cavit	eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 529

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2135	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenocarcinoma,'0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 530

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2135	SCHEDULED	105-1	adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0'
			brain	hyaline body,<1>//metastasis:pituitary tumor,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			2136	SCHEDULED
nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>			
trachea	NON-REMARKABLE			
lung/branch	NON-REMARKABLE			
bone marrow	NON-REMARKABLE			
lymph node	NON-REMARKABLE			
thymus	NON-REMARKABLE			
spleen	deposit of hemosiderin,<2>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 531

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2136	SCHEDULED	105-1	heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>//adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 532

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2136	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2137	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 533

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2137	SCHEDULED	105-1	Large intes	NON-REMARKABLE
			Liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph neru	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
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GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2138	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	granulation,<1>
			lymph node	granulation,<2>
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//vacuolated cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenocarcinoma,'0'

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2138	SCHEDULED	105-1	thyroid	C-cell adenoma,'0'
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			nasolacr d	inflammation,<1>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2139	DEAD	104-1	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis:increased,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2139	DEAD	104-1	Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	ulcer,<2>
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<2>//peliosis-like lesion,<1>
			ovary	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2139	DEAD	104-1	uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosarcoma,' 4'
			Cause of Death	tumor death (BONE TUMOR)
2140	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<2>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
spleen	deposit of hemosiderin,<1>			

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2140	SCHEDULED	105-1	heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<2>//peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE

():Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2140	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>//retinal atrophy,<3>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2141	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	NON-REMARKABLE
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 540

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2141	SCHEDULED	105-1	Large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<1>
			thyroid	NOT-EXAMINE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosclerosis,<1>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 541

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2142	DEAD	95-1	skin/app	NON-REMARKABLE
			nasal cavit.	deposit of calcium,<1>//inflammation:foreign body,<1>,respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	congestion,<3>,with,edema
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<3>
			heart	necrosis,<2>,with,deposit of calcium (CALUCIUM SCATTEING)
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<3>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	fatty change,<2>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 542

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2142	DEAD	95-1	pituitary	adenoma,'1'
			thyroid	C-cell adenoma,'1'
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'1'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
			Cause of Death	no microscopical confirmation
2143	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2143	SCHEDULED	105-1	Lung/branch	accumulation of foamy cells,<1>
			bone marrow	erythropoiesis:increased,<1>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>//herniation,<1>//cyst formation,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			panc islet	islet cell adenocarcinoma,'0'

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2143	SCHEDULED	105-1	adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2144	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 545

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2144	SCHEDULED	105-1	heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>//adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	cyst,<2>
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 546

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2144	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2145	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2>//inflammation:foreign body,<1>, respiratory epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			artery/aort	arteritis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2145	SCHEDULED	105-1	gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'0'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			harder gl	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 548

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2145	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2146	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	bile duct hyperplasia,<1>//mixed cell focus,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 549

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2146	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<1>//adenoma,'0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2147	MORIBUND	89-2	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2147	MORIBUND	89-2	bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<3>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	ulcer,<3>
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'4'
			thyroid	NON-REMARKABLE
parathyroid	NON-REMARKABLE			
adrenal	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
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GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2147	MORIBUND	89-2	ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	inflammation,<2>
			nasolacr d	inflammation,<1>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
				Cause of Death
2148	DEAD	101-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//thrombus,<3>
			trachea	NON-REMARKABLE
			lung/branch	pneumonia:NOS,<2>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2148	DEAD	101-1	thymus	NON-REMARKABLE
			spleen	NON-REMARKABLE
			heart	myocardial fibrosis,<1>//necrosis,<1>,with,deposit of calcium
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	collapse,<3>//thrombus,<3>
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 2'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2148	DEAD	101-1	mammary gl	hyperplasia,<1>
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosclerosis,<1>
			Cause of Death	hepatic lesion
2149	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar adenoma,'0'
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<1>
heart	myocardial fibrosis,<1>			
tongue	NON-REMARKABLE			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : FEMALE

GROUP NAME : 200 ppm

HISTOLOGICAL FINDINGS (INDIVIDUAL)
ALL ANIMALS (0-104W)

PAGE : 554

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2149	SCHEDULED	105-1	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 555

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2149	SCHEDULED	105-1	eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2150	SCHEDULED	105-1	skin/app	inflammation,<2>
			nasal cavit	deposit of calcium,<1>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
large intes	NON-REMARKABLE			
Liver	basophilic cell focus,<3>			

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context

STUDY NO. : 0063
 ANIMAL : RAT F344
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HISTOLOGICAL FINDINGS (INDIVIDUAL)
 ALL ANIMALS (0-104W)

PAGE : 556

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2150	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>//cyst,<2>
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	pheochromocytoma,'0'
			ovary	NON-REMARKABLE
			uterus	endometrial hyperplasia,<2>,cystic
			vagina	NON-REMARKABLE
			mammary gl	adenocarcinoma,'0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE

():Comment <1>:Slight <2>:Moderate <3>:Marked <4>:Severe ' ':Context