

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

GROUP NAME : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2201	MORIBUND	95-6	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	Leukemic cell infiltration,<1>
			bone marrow	Leukemic cell infiltration,<1>
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'3'
			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
			Liver	Leukemic cell infiltration,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<2>//adenoma,'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_____
2201	MORIBUND	95-6	thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	leukemic cell infiltration,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,' 2'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	retinal atrophy,<1>
			Harder gl	adenoma,' 2'
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
		Cause of Death	tumor death (LEUKEMIA)	
2202	DEAD	97-2	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>
			trachea	NON-REMARKABLE
			lung/branch	congestion,<3>,with,edema

( ):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
2202	DEAD	97-2	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
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'4'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			ovary	cyst,<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_____
2202	DEAD	97-2	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
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (PITUITARY TUMOR)
2203	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>, supporting cell
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	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
2203	SCHEDULED	105-1	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	peliosis-like lesion,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//lipoma,'0'
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			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

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 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2203	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	osteosclerosis,<2>
2204	MORIBUND	76-2	skin/app	NON-REMARKABLE
			nasal cavit	thrombus,<2>
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<3>
			bone marrow	leukemic cell infiltration,<1>
			lymph node	leukemic cell infiltration,<3>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	hyperplasia,<2>//ulcer,<3>

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ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2204	MORIBUND	76-2	gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	fatty change:central,<3>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'1'
			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

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<2>:Moderate

<3>:Marked

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' ':Context

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 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2204	MORIBUND	76-2	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (LEUKEMIA)
2205	MORIBUND	75-4	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,<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	NON-REMARKABLE			

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



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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2205	MORIBUND	75-4	pancreas	NON-REMARKABLE
			kidney	inflammation,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal sarcoma,' 4'
			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
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death tumor death	

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2205	MORIBUND	75-4		(UTERUS TUMOR)
2206	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	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>//basophilic cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<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_____
2206	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	C-cell hyperplasia,<2>
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<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	retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2207	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

( ):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_____
2207	SCHEDULED	105-1	Lung/branch	NON-REMARKABLE
			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	basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	nodular goiter,<2>
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>

( ):Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2207	SCHEDULED	105-1	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
2208	SCHEDULED	105-1	bone	osteosclerosis,<3>
			skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:respiratory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>, supporting cell
			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

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 ALL ANIMALS (0-104W)

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2208	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>//mixed 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,<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

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 ALL ANIMALS (0-104W)

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2208	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
2209	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	granulation,<1>
			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>

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2209	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//hyperplasia,<1>//vacuolated cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<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
			nasolacr d	inflammation,<1>

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2209	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2210	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<1>
			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	spongiosis hepatis,<2>//basophilic cell focus,<1>

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2210	SCHEDULED	105-1	pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>//peliosis-like lesion,<3>
			thyroid	C-cell carcinoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	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	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2211	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2211	SCHEDULED	105-1	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,<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,<2>//granulation,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 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 : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2211	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>//retinal atrophy,<1>
			harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			2212	DEAD
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			

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

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

GROUP NAME : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2212	DEAD	99-3	spleen	extramedullary hematopoiesis,<2>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			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	basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//regeneration,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>//cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	endometrial stromal sarcoma,'4'
			vagina	NOT-EXAMINE
			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 : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2212	DEAD	99-3	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 (UTERUS TUMOR)
2213	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar cell hyperplasia,<2>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<2>//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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2213	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	hyperplasia,<2>//basophilic cell focus,<2>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NOT-EXAMINE
			pituitary	adenocarcinoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>
			ovary	NON-REMARKABLE
			uterus	dilatation,<2>
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0'
			brain	metastasis:pituitary tumor,<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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2213	SCHEDULED	105-1	eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2214	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	granulation,<1>
			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,<2>//basophilic cell focus,<1>//vacuolated 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 : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2214	SCHEDULED	105-1		hepatocellular adenoma,'0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>//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,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosclerosis,<2>

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

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

GROUP NAME : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2215	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//inflammation:foreign body,<1>,respiratory epithelium// nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	granulation,<2>
			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,<2>//granulation,<3>
			pancreas	atrophy,<1>
			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  
 SEX : FEMALE

GROUP NAME : 1000 ppm

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

PAGE : 583

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2215	SCHEDULED	105-1	pituitary	cyst,<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>//retinal atrophy,<1>
			Harder gl	inflammation,<1>
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2216	DEAD	103-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>, supporting cell
			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 : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2216	DEAD	103-1	bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<3>
			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	hyperplasia,<2>//basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	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 : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2216	DEAD	103-1	uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'3'
			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 (MAMMARY TUMOR)
2217	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	granulation,<1>
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
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 : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2217	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,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<2>//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	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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2217	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2218	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eusinophilic 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,<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

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

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

GROUP NAME : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2218	SCHEDULED	105-1	Large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'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>
			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  
 SEX : FEMALE

GROUP NAME : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2219	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell
			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	basophilic cell focus,<2>//vacuolated cell focus,<1>//granulation,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<2>

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

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

GROUP NAME : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2219	SCHEDULED	105-1	thyroid	NOT-EXAMINE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	adenoma,'0'
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0'
			brain	hyaline body,<1>//vacuolic change,<1>,granular layer,cerebellum
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2220	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell
			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 : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2220	SCHEDULED	105-1	thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//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>//hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>//adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<2>//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  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2220	SCHEDULED	105-1	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
2221	DEAD	101-6	skin/app	epidermal cyst,'1'
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<2>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'4'
			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 : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2221	DEAD	101-6	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//hepatocellular adenoma,'1'
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>//cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	granulosa-theca cell tumor,'2'
			uterus	NON-REMARKABLE
			vagina	NOT-EXAMINE
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<2>

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

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

GROUP NAME : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2221	DEAD	101-6	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (LEUKEMIA)
2222	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//atrophy:olfactory epithelium,<1>//
				nuclear enlargement:olfactory epithelium,<2>,supporting cell//inflammation,<1>,squamous epithelium
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<1>
			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
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 : 1000 ppm

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

PAGE : 595

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2222	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'0'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			nasolacr d	inflammation,<1>

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

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

GROUP NAME : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2222	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2223	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,<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,<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 : 1000 ppm

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

PAGE : 597

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2223	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	cyst,<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'
			prep/cli gl	clitoral gland tumor,'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			
2224	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

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

GROUP NAME : 1000 ppm

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

PAGE : 598

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2224	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,<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	atrophy,<1>
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NOT-EXAMINE
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<2>

( ):Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

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

GROUP NAME : 1000 ppm

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

PAGE : 599

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings			
2224	SCHEDULED	105-1	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	NON-REMARKABLE			
			Harder gl	NON-REMARKABLE			
			muscle	NON-REMARKABLE			
			bone	NON-REMARKABLE			
			2225	MORIBUND	101-1	skin/app	NON-REMARKABLE
						nasal cavit	deposit of calcium,<1>//thrombus,<3>//nuclear enlargement:olfactory epithelium,<1>,supporting cell
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	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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2225	MORIBUND	101-1	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>//collapse,<3>//leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>//adenoma,'1'
			thyroid	C-cell adenoma,'1'
			parathyroid	NON-REMARKABLE
			adrenal	pheochromocytoma,'1'
			ovary	NON-REMARKABLE
			uterus	dilatation,<1>
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>//hemorrhage,<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 : 1000 ppm

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

PAGE : 601

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2225	MORIBUND	101-1	periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (LEUKEMIA)
2226	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell
			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

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

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

GROUP NAME : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2226	SCHEDULED	105-1	gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>//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 nerv	NON-REMARKABLE
			eye	retinal atrophy,<2>
			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 : 1000 ppm

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

PAGE : 603

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2226	SCHEDULED	105-1	nasolacr d	inflammation,<1>
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2227	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<2>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar cell hyperplasia,<2>
			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>//basophilic cell focus,<1>//herniation,<1>			

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

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

GROUP NAME : 1000 ppm

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

PAGE : 604

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2227	SCHEDULED	105-1	pancreas	NOT-EXAMINE
			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	adenoma,'0'
			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	osteosclerosis,<3>			
2228	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	nuclear enlargement:olfactory epithelium,<1>,supporting cell

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



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

GROUP NAME : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2228	SCHEDULED	105-1	trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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	hyperplasia,<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  
 SEX : FEMALE

GROUP NAME : 1000 ppm

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

PAGE : 606

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2228	SCHEDULED	105-1	adrenal	NON-REMARKABLE
			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>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosclerosis,<3>
			adipose	granulation,<1>
2229	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar adenoma,'0'
			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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2229	SCHEDULED	105-1	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,<2>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	C-cell carcinoma,'0'
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<2>
			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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2229	SCHEDULED	105-1	mammary gl	adenoma,' 0'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2230	SCHEDULED	105-1	bone	NON-REMARKABLE
			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>//deposit of hemosiderin,<2>
			heart	myocardial fibrosis,<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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2230	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>//clear cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	C-cell hyperplasia,<2>
			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,<2>
			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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2230	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2231	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<1>
			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
			large intes	NON-REMARKABLE
			liver	granulation,<3>
			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 : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2231	SCHEDULED	105-1	kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NOT-EXAMINE
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:cortical cell,<1>//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,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2232	DEAD	57-2	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<1>,olfactory epithelium
			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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2232	DEAD	57-2	Lung/branch	metastasis:uterus tumor,<2>
			bone marrow	hypoplasia,<1>
			Lymph node	metastasis:uterus tumor,<3>
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>//metastasis:uterus tumor,<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	cyst formation,<2>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	hemorrhage,<2>

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



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

GROUP NAME : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2232	DEAD	57-2	ovary	NON-REMARKABLE
			uterus	leiomyosarcoma, '4'
			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
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			peritoneum	metastasis:uterus tumor,<3>
				Cause of Death
2233	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	granulation,<1>

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

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

GROUP NAME : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2233	SCHEDULED	105-1	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	hyperplasia,<1>//basophilic cell focus,<2>//vacuolated cell focus,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>//peliosis-like lesion,<1>
			ovary	sulanulosa-theca cell tumor malignan,'0'
			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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2233	SCHEDULED	105-1	mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			nasolacr d	inflammation,<1>
			muscle	NON-REMARKABLE
2234	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 adenoma,'0'
			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

( ):Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

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

GROUP NAME : 1000 ppm

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

PAGE : 616

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2234	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	basophilic cell focus,<2>//herniation,<1>//vacuolated cell focus,<1>//hepatocellular adenoma,'0'
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<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
			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 : 1000 ppm

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

PAGE : 617

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2234	SCHEDULED	105-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2235	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//inflammation:foreign body,<1>,respiratory epithelium// 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,<1>
			heart	myocardial fibrosis,<3>
			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>

( ):Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

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

GROUP NAME : 1000 ppm

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

PAGE : 618

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2235	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>//cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<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>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2236	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

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

GROUP NAME : 1000 ppm

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

PAGE : 619

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2236	SCHEDULED	105-1	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	bile duct hyperplasia,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			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 : 1000 ppm

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

PAGE : 620

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2236	SCHEDULED	105-1	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,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			2237	SCHEDULED
nasal cavit	eosinophilic change:olfactory epithelium,<2>//eosinophilic change:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell			
trachea	NON-REMARKABLE			
lung/branch	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 : 1000 ppm

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

PAGE : 621

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2237	SCHEDULED	105-1	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,<2>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>//peliosis-like lesion,<1>
			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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2237	SCHEDULED	105-1	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
2238	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			subcutis	fibroma,'0'//lipoma,'0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>, supporting cell
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<2>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			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 : 1000 ppm

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

PAGE : 623

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2238	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>//necrosis:focal,<1>//hepatocellular adenoma,'0'
			pancreas	atrophy,<2>
			kidney	NON-REMARKABLE
			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	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  
 SEX : FEMALE

GROUP NAME : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2238	SCHEDULED	105-1	eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2239	DEAD	83-2	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>
			hoart	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	vacuolated 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 : 1000 ppm

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

PAGE : 625

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2239	DEAD	83-2	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	adenocarcinoma,'4'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			liver 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 : 1000 ppm

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

PAGE : 626

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2239	DEAD	83-2		(MAMMARY TUMOR)
2240	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>, supporting cell
			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	hyperplasia,<2>//granulation,<2>
			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 : 1000 ppm

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

PAGE : 627

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2240	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			panc islet	islet cell adenoma,'0'
			adrenal	NON-REMARKABLE
			ovary	cyst,<2>
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			poriph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
2241	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

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

GROUP NAME : 1000 ppm

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

PAGE : 628

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2241	SCHEDULED	105-1	lung/branch	NON-REMARKABLE
			bone marrow	granulation,<1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<2>//fibrosis,<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>//granulation,<2>//hepatocellular adenoma,' 0'
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			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 : 1000 ppm

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

PAGE : 629

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2241	SCHEDULED	105-1	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	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2242	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar adenoma,'0'
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<1>
			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 : 1000 ppm

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

PAGE : 630

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2242	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>//clear cell focus,<1>
			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>//deposit of amyloid,<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 : 1000 ppm

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

PAGE : 631

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2242	SCHEDULED	105-1	spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2243	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//nuclear enlargement:olfactory epithelium,<2>, supporting cell
			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	myocardial fibrosis,<1>
			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 : 1000 ppm

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

PAGE : 632

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2243	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//hyperplasia,<1>//basophilic cell focus,<1>
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<3>
			thyroid	C-cell adenoma,'0'
			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	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 : 1000 ppm

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

PAGE : 633

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2243	SCHEDULED	105-1	bone	NON-REMARKABLE
2244	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<2>//nuclear enlargement:olfactory epithelium,<1>,supporting cell
			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
			large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//basophilic cell focus,<2>//clear cell focus,<1>//mixed cell focus,<2>
			pancreas	atrophy,<1>
			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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2244	SCHEDULED	105-1	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
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	osteosclerosis,<2>			
2245	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			subcutis	xanthoma,'0'
			nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell
			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 : 1000 ppm

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

PAGE : 635

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2245	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	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>//mixed cell focus,<1>//granulation,<1>
			kidney	chronic nephropathy,<3>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			panc islet	islet cell adenoma,'0'
			adrenal	hyperplasia:cortical cell,<2>//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 : 1000 ppm

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

PAGE : 636

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2245	SCHEDULED	105-1	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	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			2246	SCHEDULED
nasal cavit	respiratory metaplasia,<1>,olfactory epithelium//eosinophilic change:olfactory epithelium,<1>// inflammation:foreign body,<1>,respiratory epithelium			
trachea	NON-REMARKABLE			
lung/branch	leukemic cell infiltration,<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  
 SEX : FEMALE

GROUP NAME : 1000 ppm

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

PAGE : 637

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2246	SCHEDULED	105-1	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,<1>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2246	SCHEDULED	105-1	brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph neru	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2247	DEAD	91-7	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//easinoiphilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis:increased,<1>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'3'
			heart	myocardial fibrosis,<2>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<1>

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

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

GROUP NAME : 1000 ppm

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

PAGE : 639

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2247	DEAD	91-7	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	necrosis:focal,<2>
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'1'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hemorrhage,<2>
			ovary	granulosa-theca cell tumor,'1'
			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

( ):Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

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

GROUP NAME : 1000 ppm

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

PAGE : 640

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2247	DEAD	91-7	bone	NON-REMARKABLE
			Cause of Death	tumor death (LEUKEMIA)
2248	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<2>// nuclear enlargement:olfactory epithelium,<1>,supporting cell
			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>//hyperplasia,<1>//basophilic cell focus,<2>

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

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

GROUP NAME : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2248	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			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,<2>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2249	MORIBUND	81-3	skin/app	NON-REMARKABLE
			nasal cavit	eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>//thrombus,<1>

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

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

GROUP NAME : 1000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2249	MORIBUND	81-3	trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	metastasis:uterus tumor,<2>
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>
			heart	myocardial fibrosis,<1>
			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	necrosis:central,<2>
			pancreas	metastasis:uterus tumor,<1>
			kidney	metastasis:uterus tumor,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			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 : 1000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings	
2249	MORIBUND	81-3	adrenal	hyperplasia:medulla,<1>	
			ovary	NON-REMARKABLE	
			uterus	endometrial stromal sarcoma,' 4'	
			vagina	NON-REMARKABLE	
			mammary gl	NON-REMARKABLE	
			brain	hyaline body,<1>//hemorrhage,<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 (UTERUS TUMOR)
			2250	SCHEDULED	105-1
nasal cavit	deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>//eosinophilic change:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell				
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

GROUP NAME : 1000 ppm

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

PAGE : 644

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2250	SCHEDULED	105-1	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	NON-REMARKABLE
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>//peliasis-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 : 1000 ppm

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

PAGE : 645

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2250	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	NON-REMARKABLE

( ):Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

(HPT050)

BAIS2

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

GROUP NAME : 5000 ppm

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

PAGE : 646

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2301	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //hydropic change:lamina propria,<2>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, ethmoturbinate,with,deposit of calcium//adhesion,<2>,ethmoturbinate,nasoturbinate,slight//squamous cell metaplasia, <1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell//proliferation:nasal gland,<2>//inflammation,<1>, squamous epithelium//rhinitis,<1>,acute//ethesioneuroepithelioma,'0',level 3,dorsal,ethmoturbinate
			trachea	NON-REMARKABLE
			lung/bronch	accumulation of foamy cells,<1>
			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
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//spongiosis hepatis,<3>//vacuolated cell focus,<1>//clear 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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2301	SCHEDULED	105-1		granulation,<2>//hepatocellular adenoma,'0'
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<2>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<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,<2>
			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

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

GROUP NAME : 5000 ppm

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

PAGE : 648

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2302	DEAD	84-2	skin/app	NON-REMARKABLE
			nasal cavit	sclerosis: lamina propria, <2>, focal, pulmonary artery, with, deposit of calcium, osseous metaplasia//rhinitis, <3>, acute// squamous cell carcinoma, '4', well-keratinizing, level 1, level 2, level 3 (AUTOLYSIS)
			trachea	NON-REMARKABLE
			lung/branch	congestion, <3>, with, edema
			bone marrow	NON-REMARKABLE
			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
			gl stomach	atrophy: glandular mucosa, <2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia, <2>//basophilic cell focus, <2>
			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 : 5000 ppm

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

PAGE : 649

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2302	DEAD	84-2	urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			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	keratitis,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosclerosis,<1>
				Cause of Death
2303	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//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 : 5000 ppm

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

PAGE : 650

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2303	SCHEDULED	105-1		//hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium,osseous metaplasia//sclerosis:lamina propria,<2>, focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//squamous cell hyperplasia,<2>//adhesion,<2>, ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<2>//nuclear enlargement:olfactory epithelium,<1>, supporting cell//rhinitis,<3>,acute
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar adenoma,'0'
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<2>
			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>//hyperplasia,<3>//hepatocellular 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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2303	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>//nuclear enlargement:proximal tubule,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>//deposit of amyloid,<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			
2304	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2304	SCHEDULED	105-1		hydropic change: lamina propria, <3>, dorsal, with, deposit of calcium // sclerosis: lamina propria, <2>, focal, pulmonary artery, with, deposit of calcium, osseous metaplasia // adhesion, <2>, ethmoturbinate, nasoturbinate // atrophy: olfactory epithelium, <2> // squamous cell metaplasia, <1> // nuclear enlargement: olfactory epithelium, <1>, supporting cell
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis: increased, <1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis, <3>
			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	hyperplasia, <3> // spongiosis hepatis, <2> // basophilic cell focus, <2> // necrosis: focal, <3> // bile ductular proliferation, <1> // hepatocellular adenoma, '0' // hepatocellular carcinoma, '0'

( ): Comment

<1>: Slight

<2>: Moderate

<3>: Marked

<4>: Severe

' ': Context



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

GROUP NAME : 5000 ppm

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

PAGE : 653

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2304	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	nuclear enlargement:proximal tubule,<1>//deposit of hemosiderin,<3>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	cyst,<1>
			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,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	osteosclerosis,<1>			
2305	MORIBUND	102-4	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//eosinophilic change:olfactory epithelium,<2>//

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

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

GROUP NAME : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2305	MORIBUND	102-4		hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate//thrombus,<3>// atrophy:olfactory epithelium,<2>//squamous cell metaplasia,<1>//nuclear enlargement:olfactory epithelium,<1>, supporting cell
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<2>//fibrosis,<2>
			heart	NON-REMARKABLE
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	hyperplasia,<2>//ulcer,<2>
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	hyperplasia,<3>//bile ductular proliferation,<3>//collapse,<3>//hepatocellular adenoma,' 2'

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

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

GROUP NAME : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2305	MORIBUND	102-4	pancreas	NON-REMARKABLE
			kidney	nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<3>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			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,<1>
			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  
 SEX : FEMALE

GROUP NAME : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2306	DEAD	97-2	skin/app	keratoacanthoma,'1'
			nasal cavit	deposit of calcium,<1>//squamous cell carcinoma,'4',well-keratinizing,muco-epidermoid type,level 1 (AUTOLYSIS)
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>
			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	hyperplasia,<3>//cholangiofibrosis,<1>//hepatocellular adenoma,'1'
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<3>//nuclear enlargement:proximal tubule,<1>
			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 : 5000 ppm

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

PAGE : 657

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2306	DEAD	97-2	pituitary	adenoma,' 2'
			thyroid	C-cell adenoma,' 1'
			parathyroid	NOT-EXAMINE
			adrenal	thrombus,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,' 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			
			Cause of Death	tumor death (NASAL TUMOR)
2307	DEAD	103-2	skin/app	NON-REMARKABLE
			nasal cavit	hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<1>,ethmoturbinate,nasoturbinate//

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

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

GROUP NAME : 5000 ppm

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

PAGE : 658

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2307	DEAD	103-2	nasal cavit	squamous cell carcinoma,'4',muco-epidermoid type,Level 1,level 2 (AUTOLYSIS)
			trachea	NON-REMARKABLE
			lung/branch	congestion,<2>,with,edema
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	atrophy,<3>
			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,<3>//hepatocellular adenoma,'2'
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<4>
			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 : 5000 ppm

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

PAGE : 659

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2307	DEAD	103-2	pituitary	adenoma, '2'
			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>
			liver gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
		Cause of Death	tumor death (NASAL TUMOR)	
2308	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia, <1>, olfactory epithelium//eosinophilic change: olfactory epithelium, <2>// sclerosis: lamina propria, <1>, focal, ethmoturbinate, with, deposit of calcium//adhesion, <2>, ethmoturbinate, nasoturbinate//

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

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

GROUP NAME : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2308	SCHEDULED	105-1		atrophy:olfactory epithelium,<2>//squamous cell metaplasia,<1>//nuclear enlargement:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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>//erosion,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	hyperplasia,<3>//hepatocellular adenoma,' 0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>
			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 : 5000 ppm

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

PAGE : 661

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2308	SCHEDULED	105-1	pituitary	adenoma,' 0'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,' 0' //fibroadenoma,' 0'
			brain	hyaline body,<2>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
bone	NON-REMARKABLE			
2309	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<1>//nuclear enlargement: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 : 5000 ppm

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

PAGE : 662

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2309	SCHEDULED	105-1		supporting cell
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<2>
			bone marrow	NON-REMARKABLE
			lymph node	leukemic cell infiltration,<3>
			thymus	NOT-EXAMINE
			spleen	fibrosis,<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	hyperplasia,<3>//spongiosis hepatis,<1>//necrosis:focal,<3>//hepatocellular adenoma,'0'//hepatocellular carcinoma,'0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//nuclear enlargement:proximal tubule,<1>//deposit of hemosiderin,<2>
			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 : 5000 ppm

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

PAGE : 663

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2309	SCHEDULED	105-1	thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<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>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2310	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //adhesion,<2>,ethmoturbinat,nasoturbinat//atrophy:olfactory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell//rhinitis,<1>,acute//hydropic change:lamina propria,<3>, dorsal,with,deposit of calcium,inflammatory infiltration
			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 : 5000 ppm

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

PAGE : 664

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2310	SCHEDULED	105-1	lung/branch	bronchiolar-alveolar cell hyperplasia,<1>
			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>//hyperplasia,<3>//cyst formation,<1>//hepatocellular adenoma,'0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'0'
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<2>

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

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

GROUP NAME : 5000 ppm

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

PAGE : 665

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____			
2310	SCHEDULED	105-1	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>			
			Harder gl	NON-REMARKABLE			
			muscle	NON-REMARKABLE			
			bone	NON-REMARKABLE			
			2311	SCHEDULED	105-1	skin/app	NON-REMARKABLE
						nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium,osseous metaplasia//sclerosis:lamina propria,<2>, focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<1>//nuclear enlargement:olfactory epithelium,<2>,supporting cell
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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2311	SCHEDULED	105-1	thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<2>
			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	hyperplasia,<3>//mixed cell focus,<2>//hepatocellular adenoma,'0'
			pancreas	NON-REMARKABLE
			kidney	nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	Rathke pouch,<1>
			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  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2311	SCHEDULED	105-1	vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			brain	hyaline body,<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
2312	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2> //inflammation:foreign body,<1>,respiratory epithelium//hydropic change:lamina propria,<3>,dorsal,with, deposit of calcium//sclerosis:lamina propria,<2>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia// adhesion,<2>,ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell//rhinitis,<1>,acute
			trachea	NON-REMARKABLE
			lung/branch	metastasis:liver tumor,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	granulation,<1>
			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 : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2312	SCHEDULED	105-1	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>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//cyst formation,<2>//hepatocellular adenoma,'0'//hepatocellular carcinoma,'0'
			pancreas	NON-REMARKABLE
			kidney	deposit of hemosiderin,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			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 : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2312	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
2313	MORIBUND	94-6	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<3>,olfactory epithelium//deposit of calcium,<1>//hydropic change:lamina propria,<3>,dorsal, with,deposit of calcium//sclerosis:lamina propria,<2>,focal,pulmonary artery,with,deposit of calcium, osseous metaplasia//adhesion,<1>,ethmoturbinatè,nasoturbinatè//atrophy:olfactory epithelium,<2>// nuclear enlargement:respiratory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell// squamous cell carcinoma,'4',well-keratinizing,level 1,level 2
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis:increased,<2>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>
			heart	myocardial fibrosis,<2>

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

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

GROUP NAME : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2313	MORIBUND	94-6	tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			forestomach	hyperplasia,<2>
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<2>//spongiosis hepatis,<2>//basophilic cell focus,<2>//acidophilic cell focus,<2>
			pancreas	NON-REMARKABLE
			kidney	hydropic change,<3>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>//cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:medulla,<1>//peliosis-like lesion,<3>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	cyst,<2>

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

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

GROUP NAME : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2313	MORIBUND	94-6	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
			Cause of Death	tumor death (NASAL TUMOR)
2314	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//eosinophilic change:olfactory epithelium,<2>// hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<1>,ethmoturbinato,nasoturbinato// atrophy:olfactory epithelium,<2>//nuclear enlargement:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell//squamous cell hyperplasia,<3>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<2>
			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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2314	SCHEDULED	105-1	spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>//xanthoma,' 0'
			heart	myocardial fibrosis,<3>
			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,<3>//clear cell focus,<1>//cyst formation,<2>//hepatocellular adenoma,' 0'
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<4>//nuclear enlargement:proximal tubule,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>//adenoma,' 0'
			thyroid	C-cell adenoma,' 0'
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<1>
			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 : 5000 ppm

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

PAGE : 673

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2314	SCHEDULED	105-1	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
2315	DEAD	86-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//hydropic change:lamina propria,<3>,dorsal, with,deposit of calcium,osseous metaplasia//sclerosis:lamina propria,<2>,focal,pulmonary artery,with, deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<2>// squamous cell metaplasia,<1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis:increased,<2>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2315	DEAD	86-1	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<2>//collapse,<3>
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hemorrhage,<2>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'2'
			vagina	NON-REMARKABLE
			mammary gl	fibroadenoma,'3'
			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 : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2315	DEAD	86-1	eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (MAMMARY TUMOR)
2316	DEAD	104-1	skin/app	NON-REMARKABLE
			nasal cavit	hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// squamous cell metaplasia,<2>//hemorrhage,<3>  (AUTOLYSIS)
			trachea	NON-REMARKABLE
			lung/bronch	hemorrhage,<4>
			bone marrow	NON-REMARKABLE
			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

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

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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2316	DEAD	104-1	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//hepatocellular adenoma,'1'
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>//tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<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>

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



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

GROUP NAME : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2316	DEAD	104-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	nasal lesion
2317	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //eosinophilic change:respiratory epithelium,<1>//inflammation:foreign body,<1>,respiratory epithelium// sclerosis:lamina propria,<1>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>, ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<2>//squamous cell metaplasia,<2>// nuclear enlargement:olfactory epithelium,<2>,supporting cell//proliferation:nasal gland,<1>// hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium,inflammatory infiltration
			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

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

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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2317	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	hyperplasia,<3>//mixed cell focus,<3>//cyst formation,<2>//hepatocellular adenoma,' 0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<3>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			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	NON-REMARKABLE
			prep/cli gl	clitoral gland tumor,' 0'
			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 : 5000 ppm

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

PAGE : 679

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2317	SCHEDULED	105-1	periph nerv	NON-REMARKABLE
			eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
2318	SCHEDULED	105-1	bone	NON-REMARKABLE
			skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//eosinophilic change:olfactory epithelium,<2>// hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium,osseous metaplasia//sclerosis:lamina propria,<2>, focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<2>//nuclear enlargement:olfactory epithelium,<1>, supporting cell//rhinitis,<1>,acute
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>//deposit of hemosiderin,<1>
			bone marrow	NON-REMARKABLE
			lymph node	granulation,<1>
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2318	SCHEDULED	105-1	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//hepatocellular adenoma,'0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			thyroid	follicular adenoma,'0',papillary
			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
			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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2318	SCHEDULED	105-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosclerosis,<2>
2319	MORIBUND	101-7	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2> //thrombus,<3>//sclerosis:lamina propria,<2>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia// adhesion,<2>,ethmoturbinat,nasoturbinat//atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<1>/ nuclear enlargement:olfactory epithelium,<1>,supporting cell//inflammation,<2>,squamous epithelium// hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium,inflammatory infiltration
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<3>
			bone marrow	leukemic cell infiltration,<2>
			lymph node	leukemic cell infiltration,<3>
			thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'4'
			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 : 5000 ppm

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

PAGE : 682

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2319	MORIBUND	101-7	stomach	leukemic cell infiltration,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//spongiosis hepatis,<3>//collapse,<3>//leukemic cell infiltration,<2>//hepatocellular adenoma,'1'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//deposit of hemosiderin,<3>
			urin bladd	leukemic cell infiltration,<1>
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	peliosis-like lesion,<2>//leukemic cell infiltration,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'1'
			brain	hyaline body,<1>//leukemic cell infiltration,<1>
			spinal cord	leukemic cell infiltration,<1>
			periph nerv	NON-REMARKABLE
			eye	NON-REMARKABLE
			Harder gl	inflammation,<2>

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

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

GROUP NAME : 5000 ppm

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

PAGE : 683

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2319	MORIBUND	101-7	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (LEUKEMIA)
2320	MORIBUND	90-7	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<3>,olfactory epithelium//hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<2>//squamous cell metaplasia,<2>//nuclear enlargement:olfactory epithelium,<1>,supporting cell//squamous cell carcinoma,'4',well-keratinizing,level 1,level 2
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis:increased,<1>
			lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<3>
			heart	NON-REMARKABLE
			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 : 5000 ppm

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

PAGE : 684

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2320	MORIBUND	90-7	gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>
			pancreas	NON-REMARKABLE
			kidney	nuclear enlargement:proximal tubule,<1>//deposit of hemosiderin,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			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	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 : 5000 ppm

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

PAGE : 685

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2320	MORIBUND	90-7	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (NASAL TUMOR)
2321	MORIBUND	99-3	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//eosinophilic change:olfactory epithelium,<2>//thrombus,<3>//hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<1>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<2>//nuclear enlargement:olfactory epithelium,<1>,supporting cell//inflammation:foreign body,<1>,respiratory epithelium//inflammation,<2>,squamous epithelium
			trachea	NON-REMARKABLE
			Lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			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

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

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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2321	MORIBUND	99-3	stomach	atrophy:glandular mucosa,<2>//erosion,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//spongiosis hepatis,<2>//collapse,<3>//hepatocellular adenoma,'1'
			pancreas	NON-REMARKABLE
			kidney	nuclear enlargement:proximal tubule,<1>//deposit of hemosiderin,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	adenoma,'1'
			brain	hyaline body,<1>//hemorrhase,<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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2321	MORIBUND	99-3	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (LEUKEMIA)
2322	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavity	respiratory metaplasia,<2>,olfactory epithelium//eosinophilic change:olfactory epithelium,<1>// hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<2>//nuclear enlargement:olfactory epithelium,<1>, supporting cell
			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

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

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

GROUP NAME : 5000 ppm

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

PAGE : 688

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2322	SCHEDULED	105-1	stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//spongiosis hepatis,<1>//cyst formation,<1>//bile duct hyperplasia,<2>//hepatocellular adenoma,'0'// hepatocellular carcinoma,'0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>//deposit of hemosiderin,<2>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<3>
			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

( ):Comment

<1>:Slight

<2>:Moderate

<3>:Marked

<4>:Severe

' ':Context

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

GROUP NAME : 5000 ppm

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

PAGE : 689

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2322	SCHEDULED	105-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2323	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2> //eosinophilic change:respiratory epithelium,<1>//hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium, osseous metaplasia//sclerosis:lamina propria,<2>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<2>//squamous cell metaplasia,<2>//nuclear enlargement:olfactory epithelium,<1>,supporting cell//proliferation:nasal gland,<2>
			trachea	NON-REMARKABLE
			lung/bronch	osseous metaplasia,<1>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<2>
			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 : 5000 ppm

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

PAGE : 690

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2323	SCHEDULED	105-1	stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//hepatocellular adenoma,'0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//nuclear enlargement:proximal tubule,<2>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	hyperplasia:medulla,<1>
			ovary	NON-REMARKABLE
			uterus	dilatation,<3>
			vagina	hyperkeratosis,<2>
			mammary gl	adenoma,'0'
			brain	hyaline body,<2>
			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 : 5000 ppm

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

PAGE : 691

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2323	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			adipose	granulation,<1>
2324	MORIBUND	101-6	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<3>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium,osseous metaplasia//sclerosis:lamina propria,<2>, focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,nasoturbinate,ethmoturbinate// atrophy:olfactory epithelium,<2>//squamous cell metaplasia,<1>//nuclear enlargement:olfactory epithelium,<1>, supporting cell//nuclear enlargement:respiratory epithelium,<1>//inflammation,<1>,squamous epithelium//rhinitis,<2>, acute//basal cell hyperplasia,<2>,olfactory epithelium
			trachea	NON-REMARKABLE
			Lung/branch	leukemic cell infiltration,<3>
			bone marrow	NON-REMARKABLE
			Lymph node	leukemic cell infiltration,<1>
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'4'
			heart	NON-REMARKABLE
			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 : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2324	MORIBUND	101-6	gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//cyst formation,<2>//hepatocellular adenoma,'1'
			pancreas	NON-REMARKABLE
			kidney	deposit of hemosiderin,<1>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<1>
			thyroid	nodular goiter,<2>
			parathyroid	NOT-EXAMINE
			adrenal	leukemic cell infiltration,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			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	inflammation,<2>

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



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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2324	MORIBUND	101-6	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (LEUKEMIA)
2325	DEAD	103-7	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<2>//squamous cell metaplasia,<2>//nuclear enlargement:olfactory epithelium,<2>,supporting cell//proliferation:nasal gland,<1>//inflammation,<1>,squamous epithelium//rhinitis,<2>,acute
			trachea	NON-REMARKABLE
			lung/branch	congestion,<2>,with,edema
			bone marrow	granulation,<2>
			lymph node	granulation,<1>
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<1>//deposit of hemosiderin,<1>
			heart	myocardial fibrosis,<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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2325	DEAD	103-7	gl stomach	atrophy:glandular mucosa,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//granulation,<3>
			pancreas	NON-REMARKABLE
			kidney	nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>//adenoma,'1'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	cyst,<2>//adenoma,'1'
			brain	hyaline body,<1>
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			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 : 5000 ppm

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

PAGE : 695

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2325	DEAD	103-7	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	no microscopical confirmation
2326	MORIBUND	93-4	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//eosinophilic change:olfactory epithelium,<1>// hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<2>//nuclear enlargement:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell//inflammation,<2>,squamous epithelium
			trachea	NON-REMARKABLE
			lung/branch	bronchiolar-alveolar cell hyperplasia,<2>
			bone marrow	NON-REMARKABLE
			Lymph node	leukemic cell infiltration,<3>
			thymus	NOT-EXAMINE
			spleen	mononuclear cell leukemia,'3'
			heart	NON-REMARKABLE
			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 : 5000 ppm

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

PAGE : 696

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2326	MORIBUND	93-4	forestomach	ulcer,<3>
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	leukemic cell infiltration,<3>
			large intes	NON-REMARKABLE
			liver	hyperplasia,<2>//spongiosis hepatitis,<3>//basophilic cell focus,<2>//mixed cell focus,<2>//cyst formation,<2>
			pancreas	NOT-EXAMINE
			kidney	nuclear enlargement:proximal tubule,<1>
			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
			mammary gl	NON-REMARKABLE
			brain	NON-REMARKABLE
			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 : 5000 ppm

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

PAGE : 697

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2326	MORIBUND	93-4	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	osteosclerosis,<2>
			Cause of Death	tumor death (LEUKEMIA TUMOR)
2327	DEAD	101-2	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2> //thrombus,<3>//hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<2>//squamous cell metaplasia,<2>//nuclear enlargement:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell//inflammation,<2>,squamous epithelium
			trachea	NON-REMARKABLE
			lung/branch	metastasis:liver tumor,<3>
			bone marrow	NON-REMARKABLE
			Lymph node	metastasis:liver tumor,<3>
			thymus	NOT-EXAMINE
			spleen	extramedullary hematopoiesis,<3>
			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 : 5000 ppm

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

PAGE : 698

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2327	DEAD	101-2	esophagus	NON-REMARKABLE
			forestomach	ulcer,<2>
			stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//necrosis:focal,<3>//hepatocellular carcinoma,' 4'
			pancreas	atrophy,<3>
			kidney	nuclear enlargement:proximal tubule,<1>
			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
			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

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

GROUP NAME : 5000 ppm

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

PAGE : 699

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2327	DEAD	101-2	eye	cataract,<2>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (LIVER TUMOR)
2328	DEAD	98-3	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<3>,olfactory epithelium//deposit of calcium,<1>//hydropic change:lamina propria,<3>,dorsal, with,deposit of calcium//sclerosis:lamina propria,<3>,focal,pulmonary artery,with,deposit of calcium, osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<2>// squamous cell metaplasia,<1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell//rhinitis,<2>,acute// eosinophilic change:olfactory epithelium,<1>
			trachea	NON-REMARKABLE
			Lung/branch	hemorrhage,<2>
			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

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

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

GROUP NAME : 5000 ppm

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

PAGE : 700

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2328	DEAD	98-3	salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//spongiosis hepatitis,<2>//necrosis:focal,<3>//hemangioma,'2'
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<3>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			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

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



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

GROUP NAME : 5000 ppm

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

PAGE : 701

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2328	DEAD	98-3	eye	cataract,<1>//retinal atrophy,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	hepatic lesion
2329	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<3>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinat,nasoturbinat// atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<2>//nuclear enlargement:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell//inflammation,<1>,squamous epithelium
			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,<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 : 5000 ppm

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

PAGE : 702

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2329	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	hyperplasia,<3>//spongiosis hepatis,<3>//basophilic cell focus,<2>//necrosis:focal,<2>//mixed cell focus,<2>// hepatocellular adenoma,'0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//nuclear enlargement:proximal tubule,<2>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>//adenoma,'0'
			thyroid	C-cell adenoma,'0'
			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

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

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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2329	SCHEDULED	105-1	periph nerv	NON-REMARKABLE
			eye	cataract,<1>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2330	MORIBUND	73-7	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<2>//eosinophilic change:olfactory epithelium,<1> //hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<1>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<1>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<2>//nuclear enlargement:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<2>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<1>
			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

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

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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2330	MORIBUND	73-7	esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<2>//basophilic cell focus,<2>//mixed cell focus,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//nuclear enlargement:proximal tubule,<1>
			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	cyst,<2>//adenoma,' 1'
			brain	NON-REMARKABLE
			spinal cord	NON-REMARKABLE
			periph nerv	NON-REMARKABLE
			eye	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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2330	MORIBUND	73-7	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (PITUITARY TUMOR)
2331	DEAD	92-1	skin/app	NON-REMARKABLE
			nasal cavit	hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<1>,ethmoturbinate,nasoturbinate (AUTOLYSIS)
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis:increased,<1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>
			heart	myocardial fibrosis,<1>
			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 : 5000 ppm

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

PAGE : 706

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2331	DEAD	92-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//herniation,<1>//necrosis:focal,<3>//hepatocellular adenoma,'1'//hepatocellular carcinoma,'4'
			pancreas	NON-REMARKABLE
			kidney	NON-REMARKABLE
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<1>
			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	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 : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2331	DEAD	92-1	bone	NON-REMARKABLE
			Cause of Death	tumor death (LIVER TUMOR)
2332	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<3>,olfactory epithelium//deposit of calcium,<1>//hydropic change:lamina propria,<3>,dorsal, with,deposit of calcium//sclerosis:lamina propria,<2>,focal,pulmonary artery,with,deposit of calcium, osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<2>// squamous cell metaplasia,<2>//nuclear enlargement:olfactory epithelium,<1>,supporting cell//proliferation:nasal gland, <1>//rhinitis,<1>,acute
			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>//fibrosis,<2>
			heart	thrombus,<3>
			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 : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2332	SCHEDULED	105-1	gl stomach	atrophy:glandular mucosa,<1>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//spongiosis hepatis,<3>//collapse,<3>//hepatocellular adenoma,'0'
			pancreas	atrophy,<1>
			kidney	tubular necrosis,<3>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	thrombus,<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

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



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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2332	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2333	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2> //eosinophilic change:respiratory epithelium,<1>//hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium// sclerosis:lamina propria,<2>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>, ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<3>// nuclear enlargement:respiratory epithelium,<1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell// proliferation:nasal gland,<2>//inflammation,<3>,squamous epithelium
			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,<2>
			heart	myocardial fibrosis,<1>
			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 : 5000 ppm

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

PAGE : 710

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2333	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<2>//spongiosis hepatis,<3>//vacuolated cell focus,<2>//clear cell focus,<1>//granulation,<2>// hepatocellular adenoma,'0'//hepatocellular carcinoma,'0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<3>
			thyroid	C-cell hyperplasia,<1>
			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,<2>//retinal atrophy,<2>
			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 : 5000 ppm

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

PAGE : 711

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2333	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2334	DEAD	94-5	skin/app	NON-REMARKABLE
			nasal cavit	hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<1>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate//thrombus,<3>// squamous cell metaplasia,<1>//inflammation,<2>,squamous epithelium//basal cell hyperplasia,<1>,olfactory epithelium (AUTOLYSIS)
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis:increased,<1>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>
			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

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

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

GROUP NAME : 5000 ppm

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

PAGE : 712

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2334	DEAD	94-5	liver	hyperplasia,<2>//spongiosis hepatitis,<2>//necrosis:focal,<2>//bile ductular proliferation,<2>// hepatocellular carcinoma,'4'
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<3>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<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
			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 : 5000 ppm

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

PAGE : 713

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2334	DEAD	94-5	peritoneum	metastasis:liver tumor,<3>
			Cause of Death	tumor death (LIVER TUMOR)
2335	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<2>//eosinophilic change:olfactory epithelium,<2> //hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<2>//nuclear enlargement:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<2>,supporting cell
			trachea	NON-REMARKABLE
			Lung/branch	bronchiolar-alveolar adenoma,'0'
			bone marrow	erythropoiesis:increased,<1>
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	metastasis:adrenal tumor,<3>
			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 : 5000 ppm

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

PAGE : 714

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2335	SCHEDULED	105-1	stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<2>//spongiosis hepatitis,<1>//basophilic cell focus,<2>//necrosis:focal,<2>//mixed cell focus,<2>//granulation,<2>//hepatocellular adenoma,'0'//metastasis:adrenal tumor,<1>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<2>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	hyperplasia,<2>//adenoma,'0'
			thyroid	C-cell adenoma,'0'
			parathyroid	NON-REMARKABLE
			adrenal	pheochromocytoma:malignant,'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	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 : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2335	SCHEDULED	105-1	Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2336	MORIBUND	100-6	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<3>,olfactory epithelium//sclerosis:lamina propria,<2>,focal,pulmonary artery,with, deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<2>// squamous cell metaplasia,<2>//nuclear enlargement:respiratory epithelium,<1>//squamous cell carcinoma,'4', well-keratinizing,muco-epidermoid type,level 2
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<3>
			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  
 REPORT TYPE : A1  
 SEX : FEMALE

GROUP NAME : 5000 ppm

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

PAGE : 716

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2336	MORIBUND	100-6	Large intes	NON-REMARKABLE
			Liver	cyst formation,<2>//hepatocellular adenoma,'1'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'1'
			vagina	NON-REMARKABLE
			mammary gl	cyst,<2>
			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

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



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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2336	MORIBUND	100-6		
			Cause of Death	tumor death (NASAL TUMOR)
2337	DEAD	97-3	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<2>//eosinophilic change:olfactory epithelium,<1> //hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// nuclear enlargement:olfactory epithelium,<1>,supporting cell//proliferation:nasal gland,<2>//squamous cell carcinoma, '2',muco-epidermoid type,level 1,level 2//atrophy:olfactory epithelium,<1>
			larynx	ulcer,<1>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	erythropoiesis:increased,<1>
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<3>//fibrosis,<2>
			heart	myocardial fibrosis,<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 : 5000 ppm

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

PAGE : 718

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2337	DEAD	97-3	forestomach	ulcer,<3>
			stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<2>//necrosis:focal,<1>//necrosis:central,<3>//bile ductular proliferation,<2>
			pancreas	NON-REMARKABLE
			kidney	nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<2>
			ovary	NON-REMARKABLE
			uterus	endometrial stromal polyp,'1'
			vagina	NON-REMARKABLE
			mammary gl	NON-REMARKABLE
			prep/cli gl	clitoral gland tumor,'2'
			brain	hyaline body,<2>
			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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2337	DEAD	97-3	eye	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	hepatic lesion
2338	DEAD	99-3	skin/app	NON-REMARKABLE
			nasal cavit	deposit of calcium,<1>//hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<1>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//hemorrhage,<2>
				(AUTOLYSIS)
			trachea	NON-REMARKABLE
			lung/branch	hemorrhage,<3>
			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

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

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

GROUP NAME : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2338	DEAD	99-3	gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//hepatocellular adenoma,'1'
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<3>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'2'
			thyroid	NON-REMARKABLE
			parathyroid	NOT-EXAMINE
			adrenal	NON-REMARKABLE
			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	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 : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2338	DEAD	99-3	muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	nasal lesion
2339	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2> //hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<2>//nuclear enlargement:olfactory epithelium,<1>, supporting cell//rhinitis,<1>,acute
			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

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

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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2339	SCHEDULED	105-1	stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//spongiosis hepatis,<2>//mixed cell focus,<2>//hepatocellular adenoma,'0'
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<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	adenoma,'0'
			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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2339	SCHEDULED	105-1	muscle	NON-REMARKABLE
			bone	osteosclerosis,<1>
2340	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //sclerosis:lamina propria,<1>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>, ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<1>//nuclear enlargement:olfactory epithelium,<2>, supporting cell//proliferation:nasal gland,<2>//inflammation,<3>,squamous epithelium//squamous cell hyperplasia,<2>// hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium,inflammatory infiltration
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<2>
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	mononuclear cell leukemia,'0'
			heart	myocardial fibrosis,<2>
			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 : 5000 ppm

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

PAGE : 724

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2340	SCHEDULED	105-1	large intes	NON-REMARKABLE
			liver	bile duct hyperplasia,<1>//hyperplasia,<2>//spongiosis hepatis,<3>//leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			vagina	NON-REMARKABLE
			mammary gl	cyst,<1>//adenoma,'0'
			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

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



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

GROUP NAME : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2340	SCHEDULED	105-1	bone	NON-REMARKABLE
2341	DEAD	84-6	skin/app	NON-REMARKABLE
			nasal cavit	hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia (AUTOLYSIS)
			trachea	NON-REMARKABLE
			lung/branch	congestion,<3>,with,edema
			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>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	vacuolated cell focus,<2>//clear cell focus,<1>//mixed cell focus,<2>//hepatocellular adenoma,'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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2341	DEAD	84-6	kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'4'
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			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	cataract,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
			Cause of Death	tumor death (PITUITARY TUMOR)
2342	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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2342	SCHEDULED	105-1	nasal cavit	respiratory metaplasia,<3>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //thrombus,<1>//hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium,osseous metaplasia// sclerosis:lamina propria,<2>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>, ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<2>//squamous cell metaplasia,<2>//inflammation,<1>, squamous epithelium
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<3>
			bone marrow	leukemic cell infiltration,<1>
			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
			forestomach	ulcer,<3>
			gl stomach	atrophy:glandular mucosa,<2>
			small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			Liver	hyperplasia,<3>//hepatocellular 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 : 5000 ppm

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

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Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2342	SCHEDULED	105-1	pancreas	NON-REMARKABLE
			kidney	nuclear enlargement:proximal tubule,<1>//infarct,<1>
			urin bladd	NON-REMARKABLE
			pituitary	leukemic cell infiltration,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<3>
			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	necrosis,<2>
bone	NON-REMARKABLE			
2343	MORIBUND	73-6	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//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 : 5000 ppm

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

PAGE : 729

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2343	MORIBUND	73-6		<p>hydropic change:lamina propria,&lt;3&gt;,dorsal,with,deposit of calcium//sclerosis:lamina propria,&lt;2&gt;,focal,            pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,&lt;2&gt;,ethmoturbinate,nasoturbinate//            atrophy:olfactory epithelium,&lt;1&gt;//nuclear enlargement:olfactory epithelium,&lt;2&gt;,supporting cell//inflammation,&lt;2&gt;,            squamous epithelium//squamous cell hyperplasia,&lt;3&gt;</p>
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<2>
			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	mixed cell focus,<2>//granulation,<1>//hepatocellular adenoma,'1'

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

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

GROUP NAME : 5000 ppm

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

PAGE : 730

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2343	MORIBUND	73-6	pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 4'
			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 neru	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 : 5000 ppm

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

PAGE : 731

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2343	MORIBUND	73-6		(PITUITARY TUMOR)
2344	MORIBUND	82-7	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<3>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<1>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<1>//nuclear enlargement:olfactory epithelium,<1>, supporting cell
			trachea	NON-REMARKABLE
			lung/branch	leukemic cell infiltration,<3>
			bone marrow	leukemic cell infiltration,<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
			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 : 5000 ppm

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

PAGE : 732

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2344	MORIBUND	82-7	Large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//hepatocellular adenoma,'1'//leukemic cell infiltration,<2>
			pancreas	NON-REMARKABLE
			kidney	hydropic change,<3>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	peliosis-like lesion,<1>
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	NON-REMARKABLE
			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
			muscle	necrosis,<2>
			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 : 5000 ppm

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

PAGE : 733

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2344	MORIBUND	82-7		
			Cause of Death	tumor death (LEUKEMIA)
2345	DEAD	98-4	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2> //thrombus,<2>//hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<1>//nuclear enlargement:olfactory epithelium,<1>, supporting cell//proliferation:nasal gland,<3>
			trachea	NON-REMARKABLE
			lung/branch	congestion,<1>//deposit of hemosiderin,<1>
			bone marrow	hypoplasia,<1>
			Lymph node	NON-REMARKABLE
			thymus	NOT-EXAMINE
			spleen	deposit of hemosiderin,<1>//fibrosis,<1>
			heart	myocardial fibrosis,<1>
			tongue	NON-REMARKABLE
			salivary gl	NON-REMARKABLE
			esophagus	NON-REMARKABLE
			gl stomach	atrophy:glandular mucosa,<2>//erosion,<1>

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

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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2345	DEAD	98-4	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//hepatocellular adenoma,'1'//hepatocellular carcinoma,'2'
			pancreas	NON-REMARKABLE
			kidney	tubular necrosis,<4>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<3>
			thyroid	C-cell adenoma,'1'
			parathyroid	NOT-EXAMINE
			adrenal	pheochromocytoma,'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	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 : 5000 ppm

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

PAGE : 735

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2345	DEAD	98-4	bone	NON-REMARKABLE  Cause of Death renal lesion
2346	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//eosinophilic change:olfactory epithelium,<1>// hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal, pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<1>,ethmoturbinate,nasoturbinate// atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<1>//nuclear enlargement:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell
			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>

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

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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2346	SCHEDULED	105-1	small intes	NON-REMARKABLE
			large intes	NON-REMARKABLE
			liver	hyperplasia,<3>//spongiosis hepatis,<1>//basophilic cell focus,<1>//mixed cell focus,<2>//hepatocellular adenoma,' 0'
			pancreas	atrophy,<1>
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	cyst,<2>//peliosis-like lesion,<1>
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	peliosis-like lesion,<1>//pheochromocytoma,' 0'
			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
			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 : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2346	SCHEDULED	105-1	bone	NON-REMARKABLE
2347	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<2> //hydropic change:lamina propria,<3>,dorsal//sclerosis:lamina propria,<2>,focal,pulmonary artery,with, deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<1>// squamous cell metaplasia,<1>//nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	metastasis:liver tumor,<4>
			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
			forestomach	hyperplasia,<2>
			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 : 5000 ppm

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

PAGE : 738

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2347	SCHEDULED	105-1	liver	hyperplasia,<3>//spongiosis hepatis,<3>//hepatocellular adenoma,'0'//hepatocellular carcinoma,'0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<2>//deposit of hemosiderin,<1>
			urin bladd	NON-REMARKABLE
			pituitary	NON-REMARKABLE
			thyroid	NON-REMARKABLE
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<1>//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	NON-REMARKABLE
			Harder gl	NON-REMARKABLE
muscle	NON-REMARKABLE			
bone	NON-REMARKABLE			
2348	DEAD	99-7	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 : 5000 ppm

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

PAGE : 739

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2348	DEAD	99-7	nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1> //inflammation:foreign body,<1>,respiratory epithelium//hydropic change:lamina propria,<3>,dorsal,with, deposit of calcium//sclerosis:lamina propria,<1>,focal,pulmonary artery,with,deposit of calcium,osseous metaplasia// adhesion,<2>,ethmoturbinate,nasoturbinate//atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<1>/ nuclear enlargement:olfactory epithelium,<1>,supporting cell
			trachea	NON-REMARKABLE
			lung/branch	NON-REMARKABLE
			bone marrow	NON-REMARKABLE
			lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	deposit of hemosiderin,<2>//fibrosis,<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	hyperplasia,<3>//necrosis:focal,<3>//bile ductular proliferation,<2>//hepatocellular adenoma,'3'
			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 : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2348	DEAD	99-7	kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>
			urin bladd	NON-REMARKABLE
			pituitary	adenoma,'1'
			thyroid	C-cell hyperplasia,<1>//nodular goiter,<1>
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:cortical cell,<1>
			ovary	NON-REMARKABLE
			uterus	NON-REMARKABLE
			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
			Cause of Death	tumor death (LIVER TUMOR)
2349	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 : 5000 ppm

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

PAGE : 741

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2349	SCHEDULED	105-1	nasal cavit	respiratory metaplasia,<3>,olfactory epithelium//sclerosis:lamina propria,<2>,focal,pulmonary artery,with, deposit of calcium,osseous metaplasia//adhesion,<3>,ethmoturbinate,nasoturbinate//proliferation:nasal gland,<2>// inflammation,<3>,squamous epithelium//rhinitis,<3>,acute//hydropic change:lamina propria,<3>,dorsal,with, deposit of calcium,inflammatory infiltration//squamous cell hyperplasia,<3>
			trachea	NON-REMARKABLE
			lung/branch	accumulation of foamy cells,<2>
			bone marrow	NON-REMARKABLE
			Lymph node	NON-REMARKABLE
			thymus	NON-REMARKABLE
			spleen	extramedullary hematopoiesis,<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	hyperplasia,<2>//spongiosis hepatitis,<3>//bile ductular proliferation,<2>//hepatocellular adenoma,'0'
			pancreas	NON-REMARKABLE
			kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>

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

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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2349	SCHEDULED	105-1	urin bladd	NON-REMARKABLE
			pituitary	adenoma,' 0'
			thyroid	C-cell hyperplasia,<1>
			parathyroid	NON-REMARKABLE
			adrenal	hyperplasia:medulla,<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,<1>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE
2350	SCHEDULED	105-1	skin/app	NON-REMARKABLE
			nasal cavit	respiratory metaplasia,<2>,olfactory epithelium//deposit of calcium,<1>//eosinophilic change:olfactory epithelium,<1>  //hydropic change:lamina propria,<3>,dorsal,with,deposit of calcium//sclerosis:lamina propria,<2>,focal,  pulmonary artery,with,deposit of calcium,osseous metaplasia//adhesion,<2>,ethmoturbinat,e,nasoturbinate//

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

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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ	Findings
2350	SCHEDULED	105-1		atrophy:olfactory epithelium,<1>//squamous cell metaplasia,<2>//nuclear enlargement:respiratory epithelium,<1>// nuclear enlargement:olfactory epithelium,<1>,supporting cell//proliferation:nasal gland,<1>//inflammation,<1>, squamous epithelium
			trachea	NON-REMARKABLE
			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,<3>
			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,<3>//spongiosis hepatis,<3>//vacuolated cell focus,<2>//hepatocellular adenoma,'0'
			pancreas	NON-REMARKABLE
			Kidney	chronic nephropathy,<1>//nuclear enlargement:proximal tubule,<1>

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

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

GROUP NAME : 5000 ppm

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

Animal ID-NO.	Death Information	Time of Examination Week-Day	Organ_____	Findings_____
2350	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>//retinal atrophy,<2>
			Harder gl	NON-REMARKABLE
			muscle	NON-REMARKABLE
			bone	NON-REMARKABLE

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