NTP Experiment-Test: 98004-01 NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Report: PEIRPT09 Study Type: SUBCHRON 90-DAY HEXACHLOROBENZENE Date: 10/23/02 Time: 10:20:35

Route: GAVAGE

Final#1/Rats

Facility: Battelle Columbus Laboratory

Chemical CAS #: 118-74-1

Lock Date: 01/17/02

Cage Range: All

Reasons For Removal: All

All Removal Date Range:

Treatment Groups: Include All

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NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Route: GAVAGE

Study Type: SUBCHRON 90-DAY HEXACHLOROBENZENE Date: 10/23/02 Time: 10:20:35

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	T (*)
SPRAGUE-DAWLEY RATS FEMALE ANIMAL ID 0 MG/KG	0 0 0 0 0 0 0 0 0 0	
ALIMENTARY SYSTEM		
Intestine Small, Duodenum	+ + + + + + + + +	10
Liver Hepatodiaphragmatic Nodule Infiltration Cellular, Mixed Cell	+ + + + + + + + + + + + + + + + + + +	10 1 8 1.5
Oral Mucosa Gingival, Inflammation	+ + + + 1 1 1	3 3 1.0
Pancreas Acinus, Atrophy	+ + + + + + + + + + + + + + + + + + + +	10 1 1.0
Stomach, Forestomach	+ + + + + + + + +	10
Tongue Vein, Dysplasia	+ + + + + + + + + + + + + + + + + + + +	10 1 1.0
Tooth	+ + + + + + + + +	_
CARDIOVASCULAR SYSTEM None		_
ENDOCRINE SYSTEM		_
Adrenal Cortex	+ + + + + + + + +	10
Adrenal Medulla	+ + + + + + + +	10
Pituitary Gland	+ + + + + + + +	10
Thyroid Gland Ultimobranchial Cyst	+ + + + + + + + + + + + + + + + + + +	10
GENERAL BODY SYSTEM None	1	_

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

M : Missing tissue + : Tissue examined microscopically

X : Lesion present but not qualified A : Autolysis precludes examination

I : Insufficient tissue BLANK : Not examined

^{1-4 :} Lesion qualified as:

¹⁾ Minimal 3) Moderate

²⁾ Mild

⁴⁾ Marked

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09

DAY ON TEST	2 1.0 0 1 3.0 0
SPRAGUE-DAWLEY RATS FEMALE O O O O O O O O O O O O O O O O O O O	O T A L D D D D D D D D D D D D D D D D D D
Ovary Corpus Luteum, Cyst Uterus Endometrium, Hyperplasia, Cystic Vagina + + + + + + + + + + + + + + + + + + +	2 1.0 0 1 3.0
Corpus Luteum, Cyst	2 1.0 0 1 3.0
Vagina	1 3.0
HEMATOPOIETIC SYSTEM	
Spleen	
Hematopoietic Cell Proliferation 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	3 1.0 10 1.0
Cyst X	0 1
INTEGUMENTARY SYSTEM	
Mammary Gland	0 2 1.0
Skin + + + + + + + + + + 1	0
MUSCULOSKELETAL SYSTEM None	
NERVOUS SYSTEM None	
RESPIRATORY SYSTEM	
Lung + + + + + + + + + + + 10	

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{1-4 :} Lesion qualified as:

^{+ :} Tissue examined microscopically M : Missing tissue
X : Lesion present but not qualified A : Autolysis precludes examination X : Lesion present but not qualified 1) Minimal 3) Moderate I : Insufficient tissue BLANK : Not examined 2) Mild 4) Marked

Route: GAVAGE

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

HEXACHLOROBENZENE Date: 10/23/02 Time: 10:20:35

DAY ON TEST	0 0 <th>T (*)</th>	T (*)
SPRAGUE-DAWLEY RATS FEMALE ANIMAL ID 0 MG/KG	0 0 0 0 0 0 0 0 0 0	O T A L
RESPIRATORY SYSTEM - cont Inflammation, Chronic Perivascular, Infiltration Cellular, Polymorphonuclear	1 1 1	3 1.0
Nose	+ + + + + + + + +	10
SPECIAL SENSES SYSTEM None		
URINARY SYSTEM		j
Kidney Nephropathy Papilla, Mineralization Renal Tubule, Accumulation, Hyaline Droplet	+ + + + + + + + + + + + + + + + + + +	10 7 1.0 4 1.0 1 1.0

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{+:} Tissue examined microscopically M: Missing tissue 1-4: Lesion qualified as: X: Lesion present but not qualified A: Autolysis precludes examination 1) Minimal 3) Mode X : Lesion present but not qualified 1) Minimal 3) Moderate

I : Insufficient tissue BLANK : Not examined 2) Mild 4) Marked

Route: GAVAGE

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

90-DAY HEXACHLOROBENZENE Date: 10/23/02
Time: 10:20:35

DAY ON TEST SPRAGUE-DAWLEY RATS FEMALE ANIMAL ID 0.03 MG/KG	0 0 0 0 0 0 0 0 0 0	T (*) O T A L
ALIMENTARY SYSTEM	<u> </u>	
Intestine Small, Duodenum	+	1
Liver Clear Cell Focus Infiltration Cellular, Mixed Cell	+ + + + + + + + + + + + + + + + + + +	10 1 1 6 1.0
Pancreas	+	1
Stomach, Forestomach	+	1
Tongue	+	1
Tooth	+ + + + + + + +	10
CARDIOVASCULAR SYSTEM None		
ENDOCRINE SYSTEM	1	
Adrenal Cortex	+	1
Adrenal Medulla	+	1
Pituitary Gland	+	1
Thyroid Gland Ultimobranchial Cyst	+ + + + + + + + + + + + + + + + + + +	10 3
GENERAL BODY SYSTEM None		
GENITAL SYSTEM	T	

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{+ :} Tissue examined microscopically M: Missing tissue 1-4: Lesion qualified as:

X : Lesion present but not qualified A : Autolysis precludes examination 1) Minimal 3) Moderate I : Insufficient tissue BLANK : Not examined 2) Mild 4) Marked

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Study Type: SUBCHRON 90-DAY HEXACHLOROBENZENE Route: GAVAGE

0 0 0 0 0 0 0 0 | 0 | DAY ON TEST 9 9 9 9 9 9 9 9 9 9 8 3 3 3 3 3 3 3 3 5 T (*) 0 | 0 0 0 0 Ω oj oj oj SPRAGUE-DAWLEY RATS FEMALE 0 0 0 0 0 0 Т ANIMAL ID 0 | Α 1 1 1 1 1 1 1 1 1 2 0.03 1 | L 1 2 3 4 5 6 7 8 9 0 MG/KG GENITAL SYSTEM - cont Ovary 1 1 Uterus Vagina 1 HEMATOPOIETIC SYSTEM Spleen + + + + 10 Hematopoietic Cell Proliferation 1 1 1 1 4 1.0 Pigmentation, Hemosiderin 1 1 1 1 1 1 8 1.0 1 1 10 Thymus 1 4.0 Atrophy INTEGUMENTARY SYSTEM Mammary Gland 10 + + + + + Hyperplasia 2 2.0 2 2 Skin + + + + + + + + + MUSCULOSKELETAL SYSTEM None NERVOUS SYSTEM None RESPIRATORY SYSTEM 10 Lung Inflammation, Chronic 1 1.0 Nose 1 SPECIAL SENSES SYSTEM None

Report: PEIRPT09

Date: 10/23/02 Time: 10:20:35

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{+ :} Tissue examined microscopically

X : Lesion present but not qualified

I : Insufficient tissue

M : Missing tissue

ue 1-4: Lesion qualified as:

A : Autolysis precludes examination

BLANK: Not examined

¹⁾ Minimal 3) Moderate

²⁾ Mild 4) Marked

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09

DAY ON TEST	0 0 0 0 0 0 0 0 0	T (*)
SPRAGUE-DAWLEY RATS FEMALE ANIMAL II 0.03 MG/KG	0 0 0 0 0 0 0 0 0 0	O T A L
URINARY SYSTEM		
Kidney Nephropathy Cortex, Mineralization Papilla, Mineralization	+ 1 2 1	1 1.0 1 2.0 1 1.0 1 1.0

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{1-4 :} Lesion qualified as:

^{+ :} Tissue examined microscopically

X : Lesion present but not qualified

I : Insufficient tissue

A : Autolysis precluctured BLANK : Not examined A : Autolysis precludes examination 1) Minimal 3) Moderate 2) Mild 4) Marked

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	 _ T (*)
SPRAGUE-DAWLEY RATS FEMALE O.1 MG/KG	0 0 0 0 0 0 0 0 0 0	O T A L
ALIMENTARY SYSTEM	<u> </u>	_
Liver Clear Cell Focus Infiltration Cellular, Mixed Cell	+ + + + + + + + + + + + + + + + + + +	10 1 5 1.0
Tooth	+ + + + + + + + +	_
CARDIOVASCULAR SYSTEM None		-
ENDOCRINE SYSTEM	Ţ	-
Thyroid Gland Ultimobranchial Cyst	+ + + + + + + + + + + + + + + + + + +	10
GENERAL BODY SYSTEM None		-
GENITAL SYSTEM None		-
HEMATOPOIETIC SYSTEM	<u> </u>	-
Spleen Hematopoietic Cell Proliferation Pigmentation, Hemosiderin		10 4 1.5 10 1.1
Thymus	+ + + + + + + + + + + + + + + + + + +	10
INTEGUMENTARY SYSTEM	<u> </u>	_
Mammary Gland Hyperplasia	+ + + + + + + + + + + + + + + + + + + +	10 1.0

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

M: Missing tissue + : Tissue examined microscopically 1-4 : Lesion qualified as:

X : Lesion present but not qualified A : Autolysis precludes examination 1) Minimal 3) Moderate I : Insufficient tissue BLANK : Not examined 2) Mild 4) Marked

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	 T (*)
SPRAGUE-DAWLEY RATS FEMALE ANIMAL ID 0.1 MG/KG	0	O T A L
INTEGUMENTARY SYSTEM - cont Skin		9
SKIII	+ + + + + + + + +	9
MUSCULOSKELETAL SYSTEM None		
NERVOUS SYSTEM		
None		
RESPIRATORY SYSTEM		
Lung	+ + + + + + + + + + + + + + + + + + +	10
Inflammation, Chronic	1	1 1.0
SPECIAL SENSES SYSTEM		
None	İ	į
URINARY SYSTEM	<u> </u>	<u> </u>
None		
		l

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{1-4 :} Lesion qualified as:

A : Autolysis precludes examination 1) Minimal 3) Moderate

^{+ :} Tissue examined microscopically M : Missing tissue
X : Lesion present but not qualified A : Autolysis preclud
I : Insufficient tissue BLANK : Not examined 2) Mild 4) Marked

I : Insufficient tissue

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Study Type: SUBCHRON 90-DAY HEXACHLOROBENZENE Date: 10/23/02 Route: GAVAGE Time: 10:20:35

Liver Hematopoietic Cell Proliferation 3			
SPRAGUE-DAWLEY RATS FEMALE	DAY ON TEST	9 9 9 9 9 9 9 9 9 9 3 3 3 3 3 3 3 3 3 3 	T (*)
Liver Hematopoietic Cell Proliferation Hepatodiaphragmatic Nodule	ANIMAL ID 0.3		T A
Hematopoietic Cell Proliferation Hepatodiaphragmatic Nodule I	ALIMENTARY SYSTEM		_
CARDIOVASCULAR SYSTEM None ENDOCRINE SYSTEM Thyroid Gland	Hematopoietic Cell Proliferation Hepatodiaphragmatic Nodule	3 x	1 3.0
None	Tooth	+ + + + + + + + +	10
Thyroid Gland	CARDIOVASCULAR SYSTEM None		_
Viltimobranchial Cyst	ENDOCRINE SYSTEM		_
None			
None HEMATOPOIETIC SYSTEM	GENERAL BODY SYSTEM None		_
Spleen	GENITAL SYSTEM None		_
Hematopoietic Cell Proliferation	HEMATOPOIETIC SYSTEM		-
INTEGUMENTARY SYSTEM	Hematopoietic Cell Proliferation	1 1 1	3 1.0
	Thymus	+ + + + + + + + +	10
Mammary Gland + + + + + + + + + + + 10	INTEGUMENTARY SYSTEM		_
	Mammary Gland	+ + + + + + + + +	_

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{+ :} Tissue examined microscopically M : Missing tissue

X : Lesion present but not qualified A : Autolysis precludes examination

BLANK: Not examined

^{1-4:} Lesion qualified as:

¹⁾ Minimal 3) Moderate

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09

DAY ON TEST 0 0 0 0 0 0 0 0 0	Т (*)
O O O O O O O O O O	O T A L
INTEGUMENTARY SYSTEM - cont	
Skin + + + + + + + + + +	10
MUSCULOSKELETAL SYSTEM None	
NERVOUS SYSTEM None	
RESPIRATORY SYSTEM	
Lung	10 2 1.0
SPECIAL SENSES SYSTEM None	
URINARY SYSTEM None	

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{1-4 :} Lesion qualified as:

^{+ :} Tissue examined microscopically M : Missing tissue X : Lesion present but not qualified A : Autolysis preclud A : Autolysis precludes examination 1) Minimal 3) Moderate

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Study Type: SUBCHRON 90-DAY HEXACHLOROBENZENE Date: 10/23/02 Route: GAVAGE Time: 10:20:35

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	T (*)
SPRAGUE-DAWLEY RATS FEMALE ANIMAL ID 1.0 MG/KG	0 0 0 0 0 0 0 0 0 0	O T A L
ALIMENTARY SYSTEM		
Liver Infiltration Cellular, Mixed Cell	+ + + + + + + + + + + + + + + + + + +	10 6 1.2
Tooth Incisor, Degeneration	+ + + + + + + + + + + + + + + + + + +	10 5 1.0
CARDIOVASCULAR SYSTEM None		-
ENDOCRINE SYSTEM		-
Thyroid Gland	+ + + + + + + + +	10
GENERAL BODY SYSTEM None		-
GENITAL SYSTEM None		-
HEMATOPOIETIC SYSTEM		-
Spleen Hematopoietic Cell Proliferation Pigmentation, Hemosiderin	+ + + + + + + + + + + + 1	-
Thymus	+ + + + + + + + +	10
INTEGUMENTARY SYSTEM		-
Mammary Gland Hyperplasia	+ + + + + + + + + + + + 1	10 2 1.0
Skin	+ + + + + + + + +	10
MUSCULOSKELETAL SYSTEM None		-

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

X : Lesion present but not qualified

I : Insufficient tissue

1-4 : Lesion qualified as:

A : Autolysis precludes examination

4) Marked

^{+ :} Tissue examined microscopically

M : Missing tissue

¹⁾ Minimal 3) Moderate

BLANK : Not examined

Route: GAVAGE

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09 Date: 10/23/02 HEXACHLOROBENZENE Time: 10:20:35

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	 T (*)
SPRAGUE-DAWLEY RATS FEMALE ANIMAL ID 1.0 MG/KG	0	O T A L
NERVOUS SYSTEM		
None		
RESPIRATORY SYSTEM		
Lung Inflammation, Chronic Alveolar Epithelium, Hyperplasia Bronchiole, Hyperplasia		10 7 1.3 2 1.0 2 1.0
SPECIAL SENSES SYSTEM None	 	
URINARY SYSTEM None		

 $[\]star$: Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

M : Missing tissue 1-4 : Lesion qualified as: + : Tissue examined microscopically

X : Lesion present but not qualified A : Autolysis precludes examination 1) Minimal 3) Moderate

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	 T (*)
SPRAGUE-DAWLEY RATS FEMALE 3.0 MG/KG	0 0 0 0 0 0 0 0 0 0	O T A L
ALIMENTARY SYSTEM]	
Liver Clear Cell Focus Hematopoietic Cell Proliferation Hepatodiaphragmatic Nodule Infiltration Cellular, Mixed Cell	+ + + + + + + + + + + + + + + + + + +	10 1 1 1.0 1 1 9 1.8
Tooth Incisor, Degeneration	+ + + + + + + + + + + + + + + + + + +	10 1.5
CARDIOVASCULAR SYSTEM]	
Blood Vessel	+	1
ENDOCRINE SYSTEM	Ţ	
Adrenal Cortex	+	1
Adrenal Medulla	+	1
Thyroid Gland	+ + + + + + + +	9
GENERAL BODY SYSTEM None]	
GENITAL SYSTEM None		
HEMATOPOIETIC SYSTEM		
Spleen Hematopoietic Cell Proliferation Pigmentation, Hemosiderin		10 6 1.3 10 1.0

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{+ :} Tissue examined microscopically M: Missing tissue 1-4: Lesion qualified as:

X: Lesion present but not qualified A: Autolysis precludes examination 1) Minimal 3) Moderate I: Insufficient tissue BLANK: Not examined 2) Mild 4) Marked

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09

Study Type: SUBCHRON 90-DAY

HEXACHLOROBENZENE Date: 10/23/02 Route: GAVAGE Time: 10:20:35

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	 T (*)
SPRAGUE-DAWLEY RATS FEMALE 3.0 MG/KG	0 0 0 0 0 0 0 0 0 0	O T A L
HEMATOPOIETIC SYSTEM - cont Thymus	+ + + + + + + + +	10
INTEGUMENTARY SYSTEM		
Mammary Gland Hyperplasia	+ + + + + + + + + + + + + + + + + + + +	10 2 1.0
Skin Hair Follicle, Inflammation, Chronic Active, Focal	1	9 1 1.0
MUSCULOSKELETAL SYSTEM None		
NERVOUS SYSTEM None		.
RESPIRATORY SYSTEM		
Lung Inflammation, Chronic Alveolus, Inflammation, Suppurative	+ + + + + + + + + + + + 1	10 8 1.6 1 1.0
SPECIAL SENSES SYSTEM None		
URINARY SYSTEM None		.]

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

1-4: Lesion qualified as:

+ : Tissue examined microscopically
X : Lesion present but not qualified
A : Autolysis precludes examination
I : Insufficient tissue
BLANK : Not examined 1) Minimal 3) Moderate

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	T (*)
SPRAGUE-DAWLEY RATS FEMALE ANIMAL ID 10.0 MG/KG	0 0 0 0 0 0 0 0 0 0	T A L
ALIMENTARY SYSTEM	[
Liver Hematopoietic Cell Proliferation Infiltration Cellular, Mixed Cell Hepatocyte, Hypertrophy	+ + + + + + + + + + + + + + + + + + +	10 1 1.0 10 1.8 9 1.1
Tooth Incisor, Degeneration	+ + + + + + + + + + + + + + + + + + +	10 10 2.1
CARDIOVASCULAR SYSTEM None		—
ENDOCRINE SYSTEM		_
Adrenal Cortex	+ +	_ 2
Thyroid Gland Ultimobranchial Cyst	+ + + + + + + + + + + + + + + + + + +	10 2
GENERAL BODY SYSTEM None		
GENITAL SYSTEM None		
HEMATOPOIETIC SYSTEM		_
Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid Pigmentation, Hemosiderin	+ + + + + + + + + + + + + + + + + + +	10 5 1.6 6 1.0 8 1.0
Thymus		

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

M: Missing tissue + : Tissue examined microscopically 1-4 : Lesion qualified as:

X : Lesion present but not qualified A : Autolysis precludes examination 1) Minimal 3) Moderate

I : Insufficient tissue BLANK: Not examined 2) Mild 4) Marked

I : Insufficient tissue

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Route: GAVAGE

Report: PEIRPT09 HEXACHLOROBENZENE Date: 10/23/02 Time: 10:20:35

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	 T (*)
SPRAGUE-DAWLEY RATS FEMALE ANIMAL ID 10.0 MG/KG	0 0 0 0 0 0 0 0 0 0	O T A L
INTEGUMENTARY SYSTEM		
Mammary Gland Hyperplasia	+ + + + + + + + + + + + + + + + + + +	10 3 1.3
Skin Dermis, Infiltration Cellular, Mononuclear Cell	+ + + + + + + + + + + + + + + + + + + +	1 1.0
MUSCULOSKELETAL SYSTEM None		
NERVOUS SYSTEM None		.]
RESPIRATORY SYSTEM		
Lung Inflammation, Chronic Bronchiole, Hyperplasia	+ + + + + + + + + + + + + + + + + + +	10 1.7 2 1.0
Trachea Degeneration	+ 2	1 2.0
SPECIAL SENSES SYSTEM None		.
URINARY SYSTEM None		.

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{+ :} Tissue examined microscopically M : Missing tissue 1-4 : Lesion qualified as:

X : Lesion present but not qualified A : Autolysis precludes examination

BLANK: Not examined

¹⁾ Minimal 3) Moderate

⁴⁾ Marked 2) Mild

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	_ T (*)
SPRAGUE-DAWLEY RATS FEMALE ANIMAL ID 25.0 MG/KG	0 0 0 0 0 0 0 0 0 0 0 0 0	O T A L
ALIMENTARY SYSTEM		
Intestine Small, Duodenum	+ + + + + + + +	10
Liver Infiltration Cellular, Mixed Cell Vacuolization Cytoplasmic, Focal Hepatocyte, Hypertrophy	+ + + + + + + + + + + + + + + + + + +	10 10 2.0 2 1.0 10 1.3
Pancreas	+ + + + + + + + +	10
Stomach, Forestomach	+ + + + + + + + +	_
Tongue	+ + + + + + + + +	10
Tooth Incisor, Degeneration	+ + + + + + + + + + + + + + + + + + +	10 10 2.9
CARDIOVASCULAR SYSTEM None		_
ENDOCRINE SYSTEM	[_
Adrenal Cortex	+ + + + + + + + +	10
Adrenal Medulla	+ + + + + + + + +	10
Pituitary Gland	+ + + + + + + + +	_
Thyroid Gland Ultimobranchial Cyst	+ + + + + + + + + + + +	10 3 1.0
GENERAL BODY SYSTEM None		

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{1-4 :} Lesion qualified as:

^{+ :} Tissue examined microscopically

X : Lesion present but not qualified

A : Autolysis precludes examination 1) Minimal 3) Moderate

I : Insufficient tissue BLANK : Not examined 2) Mild 4) Marked

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	T (*)
SPRAGUE-DAWLEY RATS FEMALE ANIMAL ID 25.0 MG/KG	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 3 4 5 6 7 8 9 0	O T A L
GENITAL SYSTEM	<u> </u>	
Ovary Corpus Luteum, Cyst	+ + + + + + + + + + X	10 1
Uterus Endometrium, Hyperplasia, Cystic	+ + + + + + + + + + + + + + + + + + + +	10 2 1.5
Vagina	+ + + + + + + + +	10
HEMATOPOIETIC SYSTEM		
Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid Pigmentation, Hemosiderin	+ + + + + + + + + + + + + + + + + + +	10 6 1.8 8 1.0 9 1.0
Thymus Atrophy Cyst	+ + + + + + + + + + + 1	10 3 1.0 1
INTEGUMENTARY SYSTEM		
Mammary Gland Hyperplasia	+ + + + + + + + + + + + + + 1 2 1 2 1 1 1 1 1	10 1.2
Skin Inflammation, Suppurative Ulcer	+ + + + + + + + + + + + + + + 2	10 9 2.4 7 1.6
MUSCULOSKELETAL SYSTEM None		
NERVOUS SYSTEM None		

^{* :} Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

^{+ :} Tissue examined microscopically

X : Lesion present but not qualified

A : Autolysis precludes examination

I : Insufficient tissue

M : Missing tissue

A : Autolysis precludes examination

BLANK : Not examined

1 -4 : Lesion qualified as:

1) Minimal 3) Mode

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

NONNEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Report: PEIRPT09

Study Type: SUBCHRON 90-DAY HEXACHLOROBENZENE Date: 10/23/02 Route: GAVAGE Time: 10:20:35

DAY ON TEST	0 0 0 0 0 0 0 0 0 0	T (*)
SPRAGUE-DAWLEY RATS FEMALE ANIMAL ID 25.0 MG/KG	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O T A L
RESPIRATORY SYSTEM	[
Lung Inflammation, Chronic Interstitium, Fibrosis, Focal		10 10 1.9 1 1.0
Nose	+ + + + + + + + +	10
SPECIAL SENSES SYSTEM None	-	_
URINARY SYSTEM	[-
Kidney Nephropathy Papilla, Mineralization		10 9 1.0 4 1.0

* : Total animals with tissue examined microscopically; total animals with lesion and mean severity grade

+ : Tissue examined microscopically M : Missing tissue 1-4 : Lesion qualified as:

X : Lesion present but not qualified A : Autolysis precludes examination 1) Minimal 3) Moderate

I : Insufficient tissue BLANK : Not examined 2) Mild 4) Marked