

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

C Number: C00180
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Female

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_131

TRT#: 1
DOSE: 0

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hepatocytomegaly
	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Mammary gland		Adenoma, Nos
		Fibroadenoma
Thyroid		Hyperplasia, C Cell
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_132

TRT#: 1
DOSE: 0

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial Inflammation, Chronic
Liver	Bile Duct Bile Duct Bile Duct	Dilatation, Nos Hyperplasia, Nos Inflammation, Nos Neoplastic Nodule C-Cell Adenoma Cystic Follicles Hyperplasia, C Cell Hyperplasia, Follicular Cell
Thyroid		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_133

TRT#: 1
DOSE: 0

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_134

TRT#: 1
DOSE: 0

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_135

TRT#: 1
DOSE: 0

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Alveolar Macrophages
		Inflammation, Focal
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_136

TRT#: 1
DOSE: 0

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
	Bile Duct	Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
		Inflammation, Nos
Lung		Alveolar Macrophages
Pituitary gland		Chromophobe Adenoma
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_137

TRT#: 1
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Hemorrhage
Heart	Myocardium Nos	Fibrosis
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_138

TRT#: 1
DOSE: 0

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver
Mammary gland
Spleen

Bile Duct

Inflammation, Nos
Adenocarcinoma, Nos
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_139

TRT#: 1
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Pituitary gland
Spleen

Cortex Nos

Cytomegaly
Inflammation, Chronic
Adenoma, Nos
Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_140

TRT#: 1
DOSE: 0

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Thyroid

Inflammation, Chronic
Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_101

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial Inflammation, Chronic
Liver		Hepatocytomegaly Neoplastic Nodule
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_102

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Parathyroid gland
Thyroid

Cortex Nos

Cytomegaly
Inflammation, Chronic
Hepatocytomegaly
Adenoma, Nos
C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_103

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Pituitary gland

Cortex Nos

Bile Duct

Cytomegaly
Inflammation, Chronic
Inflammation, Nos
Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_104

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Liver

Myocardium Nos

Bile Duct

Thyroid

Cytomegaly
Fibrosis
Inflammation, Chronic
Hepatocytomegaly
Hyperplasia, Nos
Neoplastic Nodule
Cystic Follicles
Hyperplasia, C Cell
Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_105

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos

Cytomegaly
Inflammation, Chronic
Angiectasis
Hepatocytomegaly
Neoplastic Nodule

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_106

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
		Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Mammary gland		Fibroadenoma
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_108

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver

Angiectasis
Hepatocytomegaly
Neoplastic Nodule
Fibroadenoma

Mammary gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_109

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytomegaly
Kidney		Inflammation, Chronic
Liver		Angiectasis
Mammary gland		Adenoma, Nos
Pancreas	Islets	Islet-Cell Adenoma
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_110

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Angiectasis
	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pancreas	Acinus	Atrophy, Nos
Spleen		Inflammation, Granulomatous Focal
Thyroid		Follicular-Cell Carcinoma
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_111

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial Inflammation, Chronic
Liver		Angiectasis Hepatocytomegaly
Thyroid		C-Cell Adenoma Follicular-Cell Carcinoma Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_112

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
Ovary		Cystadenocarcinoma, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_114

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Mammary gland		Adenoma, Nos
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_115

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial
Liver	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Mammary gland		Fibroma
Spleen		Hematopoiesis
Unspecified		Hemangiosarcoma

PRIMARY CAUSE OF DEATH -

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_116

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Meningioma, Benign
Kidney		Inflammation, Chronic
Liver		Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_117

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart
Kidney
Liver
Mammary gland
Thyroid

Myocardium Nos

Fibrosis
Inflammation, Chronic
Neoplastic Nodule
Fibroadenoma
C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_118

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial Inflammation, Chronic
Liver	Bile Duct	Angiectasis Fibrosis Hepatocytomegaly
Thyroid	Bile Duct	Hyperplasia, Nos Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_119

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial
Liver		Angiectasis
		Hepatocytomegaly
Lung		Alveolar Macrophages
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_121

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney	Pelvis	Hyperplasia, Epithelial
Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Mammary gland		Adenocarcinoma, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_122

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Endocardium Nos	Sarcoma, Nos
Liver		Angiectasis
Mammary gland		Sarcoma, Nos
Uterus		Endometrial Stromal Polyp
		Inflammation, Focal
		Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_123

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_124

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver

Inflammation, Chronic
Neoplastic Nodule

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_125

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Mammary gland

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_126

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Angiectasis
		Hepatocytomegaly
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH -

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_127

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Angiectasis
		Hepatocytomegaly
Lung		Alveolar Macrophages
	Alveoli	Inflammation, Focal
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_128

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Stomach

Hemorrhage
Calcification, Nos
Ulcer, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_129

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos

Bile Duct
Bile Duct

Mammary gland
Pituitary gland
Thyroid

Cytomegaly
Inflammation, Chronic
Hyperplasia, Nos
Inflammation, Nos
Fibroadenoma
Chromophobe Adenoma
Cyst, Ultimobranchial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_130

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Liver	Angiectasis
	Hepatocytomegaly
Lung	Alveolar Macrophages
Salivary gland	Fibroma
Thyroid	C-Cell Adenoma
	Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_131

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Mammary gland		Fibroadenoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_132

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Small
Kidney
Liver

Mesentery Nos

Periarteritis
Inflammation, Chronic
Angiectasis
Congestion, Nos
Chromophobe Adenoma
Hyperplasia, C Cell
Hyperplasia, Epithelial

Pituitary gland
Thyroid
Urinary bladder

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_133

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Lung
Mammary gland
Spleen

Cortex Nos

Cytomegaly
Inflammation, Chronic
Angiectasis
Alveolar Macrophages
Fibroma
Hematopoiesis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_134

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Mammary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_135

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pancreas		Fibrosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_136

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart
Spleen

Myocardium Nos

Fibrosis
Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_137

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytomegaly
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pituitary gland		Angiectasis
		Hyperplasia, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH -

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_138

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_139

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos
Bile Duct

Cytomegaly
Inflammation, Chronic
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_140

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Mammary gland

Inflammation, Chronic
Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_141

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Angiectasis
Pituitary gland	Neoplastic Nodule
Uterus	Chromophobe Adenoma
	Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_142

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Mammary gland

Fibroadenoma

Ovary

Fibroma

Pancreas

Acinus

Granulosa-Cell Tumor

Thyroid

Atrophy, Nos

C-Cell Adenoma

Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_143

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Liver	Angiectasis Hepatocytomegaly Neoplastic Nodule
Spleen	Angiectasis
Thyroid	Cyst, Ultimobranchial Hyperplasia, C Cell
Uterus	Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_144

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Sarcoma, Nos
Kidney	Pelvis	Hyperplasia, Epithelial
Liver	Bile Duct	Dilatation, Nos
		Fibrosis
Lung		Alveolar Macrophages
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Urinary bladder		Hyperplasia, Epithelial
		Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_145

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Liver	Angiectasis Hepatocytomegaly
Lung	Alveolar Macrophages Inflammation, Granulomatous Focal
Thyroid	Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_146

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Liver	Angiectasis
	Hepatocytomegaly
Ovary	Granulosa-Cell Tumor
Thyroid	Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_147

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
		Metamorphosis, Fatty
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH -

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_148

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages
Mammary gland		Fibroadenoma
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_149

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver

Bile Duct

Fibrosis

Lung

Bile Duct

Hyperplasia, Nos

Spleen

Congestion, Nos

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_150

TRT#: 2
DOSE: 40 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Thyroid

Cortex Nos

Bile Duct

Cytomegaly
Inflammation, Chronic
Hyperplasia, Nos
Metamorphosis, Fatty
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_151

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Metamorphosis, Fatty Pheochromocytoma
Kidney	Pelvis	Hyperplasia, Epithelial Inflammation, Chronic
Liver	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Lymph node	Cervical Lymph Node Nos	Hyperplasia, Lymphoid
Thyroid		Cyst, Ultimobranchial
Uterus	Endometrium	Hyperplasia, C Cell Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_152

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos

Cytomegaly
Inflammation, Chronic
Angiectasis

Bile Duct
Bile Duct

Fibrosis
Hyperplasia, Nos
Hematopoiesis
Endometrial Stromal Sarcoma

Spleen
Uterus

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_153

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Liver

Cortex Nos
Bile Duct

Cytomegaly
Hyperplasia, Nos
Inflammation, Suppurative
Necrosis, Nos
Endometrial Stromal Polyp
Inflammation, Suppurative

Uterus

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_154

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Liver

Mammary gland

Thyroid

Bile Duct

Cortical Adenoma

Hepatocytomegaly

Inflammation, Nos

Fibroadenoma

Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_155

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytomegaly
Kidney		Inflammation, Chronic
Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
Thyroid		Follicular-Cell Adenoma
Uterus	Endometrium	Cyst, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_156

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
		Hepatocytomegaly
		Hyperplasia, Focal
	Bile Duct	Inflammation, Nos
Pancreas	Acinus	Atrophy, Nos
		Fibrosis
Thyroid		Cyst, Ultimobranchial
		Follicular-Cell Adenoma
		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_157

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Liver

Myocardium Nos

Bile Duct
Bile Duct

Mammary gland
Thyroid

Cortical Adenoma
Fibrosis
Inflammation, Chronic
Angiectasis
Hepatocytomegaly
Hyperplasia, Nos
Inflammation, Nos
Metamorphosis, Fatty
Fibroma
Hyperplasia, C Cell
Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_159

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver

Inflammation, Chronic
Angiectasis
Atrophy, Nos
Hepatocytomegaly
Alveolar Macrophages
Cystic Follicles
Hyperplasia, C Cell
Hyperplasia, Follicular Cell

Lung
Thyroid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_160

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytomegaly
Kidney		Inflammation, Chronic
Liver		Angiectasis
	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Mammary gland		Fibroadenoma
Spleen		Hematopoiesis
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_161

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Spleen		Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_162

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial Inflammation, Chronic
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages
Pituitary gland		Chromophobe Adenoma
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_163

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Liver
Lung
Pituitary gland
Thyroid

Cortex Nos
Myocardium Nos

Cytomegaly
Fibrosis
Inflammation, Chronic
Angiectasis
Inflammation, Interstitial
Chromophobe Adenoma
C-Cell Adenoma
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_164

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Alveolar Macrophages
Pancreas	Acinus	Atrophy, Nos
		Fibrosis
Thyroid		Cystic Follicles
		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_165

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Thyroid		C-Cell Adenoma
		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_166

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Pelvis

Liver

Lung
Mammary gland
Thyroid

Cytomegaly
Hyperplasia, Epithelial
Inflammation, Chronic
Angiectasis
Hepatocytomegaly
Alveolar Macrophages
Adenoma, Nos
Follicular-Cell Adenoma
Hyperplasia, C Cell
Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_167

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver

Hepatocytomegaly

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_168

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
	Bile Duct	Inflammation, Nos
		Neoplastic Nodule
Lung		Alveolar Macrophages
Pituitary gland		Angiectasis
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_169

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial Inflammation, Chronic
Liver	Bile Duct	Angiectasis Dilatation, Nos Hepatocytomegaly
Pancreas Pituitary gland	Acinus	Atrophy, Nos Angiectasis Chromophobe Adenoma Follicular-Cell Carcinoma
Thyroid		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_171

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos

Cytomegaly
Inflammation, Chronic
Angiectasis

Bile Duct

Fibrosis
Hepatocytomegaly

Bile Duct

Hyperplasia, Nos
Alveolar Macrophages
Fibroadenoma

Lung
Mammary gland

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_172

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver

Bile Duct

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_174

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Angiectasis Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pituitary gland		Angiectasis
		Hyperplasia, Nos
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH -

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_175

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Pancreas	Acinus	Atrophy, Nos
		Fibrosis
Thyroid		Follicular-Cell Adenoma
		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_176

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney	Pelvis	Hyperplasia, Epithelial Inflammation, Chronic
Liver	Bile Duct	Dilatation, Nos Hepatocytomegaly
Lung	Bile Duct	Hyperplasia, Nos Alveolar Macrophages
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_177

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver

Bile Duct

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_178

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Lymph node	Pelvic Lymph Node	Angiectasis
	Pelvic Lymph Node	Inflammation, Chronic
Skin	Foot And Toe Nos	Granuloma, Nos
Spleen		Hematopoiesis
Thyroid		Cyst, Ultimobranchial
		Cystic Follicles
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_179

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Pituitary gland		Hyperplasia, Chromophobe Cell
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_180

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Pituitary gland
Spleen
Thyroid

Cortex Nos

Cytomegaly
Inflammation, Chronic
Neoplastic Nodule
Chromophobe Adenoma
Hematopoiesis
C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_181

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Angiectasis
		Fibrosis
		Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar Macrophages

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_182

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Mammary gland

Adenocarcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_184

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pancreas		Periarteritis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_185

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver
Pituitary gland

Thyroid

Inflammation, Chronic
Angiectasis
Angiectasis
Chromophobe Adenoma
Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_186

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos

Cytomegaly
Inflammation, Chronic
Angiectasis

Lung
Thyroid

Bile Duct

Hyperplasia, Nos
Alveolar Macrophages
Follicular-Cell Carcinoma
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_187

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Metamorphosis, Fatty
Liver		Metamorphosis, Fatty Neoplastic Nodule
Lung		Alveolar Macrophages
Pancreas	Acinus	Atrophy, Nos Fibrosis
Pituitary gland		Angiectasis Chromophobe Adenoma
Spleen		Hematopoiesis
Uterus		Endometrial Stromal Polyp Hemorrhage Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_188

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Hepatocytomegaly
	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Pancreas		Periarteritis
Pituitary gland		Angiectasis
		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_189

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Endocardium Nos Myocardium Nos	Fibrosis Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct Bile Duct	Hyperplasia, Nos Inflammation, Nos
Pituitary gland		Hyperplasia, Chromophobe Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_190

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Spleen		Hematopoiesis
Unspecified		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_192

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
	Bile Duct	Inflammation, Nos
Uterus		Endometrial Stromal Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_196

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_197

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Mammary gland		Fibroadenoma
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_198

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
		Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Alveolar Macrophages
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_199

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Metamorphosis, Fatty
Pancreas	Islets	Islet-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00180
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/Osborne Mendel

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Heptachlor
CAS Number: 76-44-8

Date Report Requested: 10/26/2014
Time Report Requested: 09:55:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_200

TRT#: 3
DOSE: 80 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Metamorphosis, Fatty
Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Angiectasis
	Bile Duct	Inflammation, Nos
		Metamorphosis, Fatty
Mammary gland		Fibroadenoma
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****