

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:50
First Dose M/F: NA / NA
Lab: BAT

C Number: C96022
Lock Date: 11/04/2002
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Female
PWG Approval Date: 05/05/2004

Experiment Number: 96022-02

Test Type: CHRONIC

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CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 366

HISTO: 0102801

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

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Species/Strain: Rat/HSD

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CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Female

DAY ON TEST: 687

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
		Mineralization	Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
Note: Inflammatory exudate was in the meatuses.			
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2	TRT#: 1	SEX: Female	DAY ON TEST: 687
	DOSE: 0 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0102802

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3	TRT#: 1 DOSE: 0 NG TEQ/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 586 HISTO: 0102803
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Eye		Inflammation	Minimal
Note: One eye missing.			
* Kidney		Calculus Micro Observation Only	
		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Fatty Change	Focal, Mild
		Hematopoietic Cell Proliferation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hemorrhage	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3	TRT#: 1	SEX: Female	DAY ON TEST: 586
	DOSE: 0 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0102803

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-12]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Female	DAY ON TEST: 727
	DOSE: 0 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0102804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Kidney	Renal Tubule	Adenoma	
		Calculus Micro Observation Only	
	Renal Tubule	Hyperplasia	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Cyst	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
[Cyst TGLS = 2-12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 3-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Female	DAY ON TEST: 727
	DOSE: 0 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0102804

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Minimal
Note: Inflammatory exudate was in the meatuses.			
* Ovary		Atrophy Cyst	Moderate Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia Metaplasia	Cystic, Mild Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5	TRT#: 1 DOSE: 0 NG TEQ/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 726 HISTO: 0102805
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Mixed Cell Focus TGLS = 2-7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Female	DAY ON TEST: 726
	DOSE: 0 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0102805

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Female	DAY ON TEST: 92
	DOSE: 0 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0102806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Uterus
Vagina			

OBSERVATIONS

* Liver	Inflammation	Minimal
* Lung	Hemorrhage	Mild
* Spleen	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7	TRT#: 1	SEX: Female	DAY ON TEST: 92
	DOSE: 0 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0102807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Uterus	Vagina		

OBSERVATIONS

* Liver	Inflammation	Minimal
* Spleen	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 8	TRT#: 1	SEX: Female	DAY ON TEST: 92
	DOSE: 0 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0102808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Uterus	Vagina		

OBSERVATIONS

* Liver	Inflammation	Minimal
* Spleen	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9	TRT#: 1	SEX: Female	DAY ON TEST: 92
	DOSE: 0 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0102809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Uterus	Vagina		

OBSERVATIONS

* Liver	Inflammation	Minimal
* Spleen	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Female

DAY ON TEST: 92

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Mammary Gland
* Stomach, Forestomach
* Uterus

* Adrenal Medulla
* Ovary
* Stomach, Glandular
Vagina

* Islets, Pancreatic
* Pancreas
* Thymus

* Lung
* Pituitary Gland
* Thyroid Gland

OBSERVATIONS

* Liver
* Spleen

Inflammation
Pigmentation

Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 93

HISTO: 0102811

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Female

DAY ON TEST: 707

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5-3+4]			
Lymph Node	Mediastinal	Ectasia	Mild
	Lumbar	Hemorrhage	Mild
[Hemorrhage TGLS = 4-14]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
Note: Normal mammary tissue absent from slide 10.			
[Fibroadenoma TGLS = 1,2,3-11+12+13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Female

DAY ON TEST: 707

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102812

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Mild
* Urinary Bladder		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Female

DAY ON TEST: 727

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	Lymph Node
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Mixed Cell Focus TGLS = 5-14]			
* Lung			
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-11+12+13]			
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 6-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0102813

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Moderate
		Thymoma Benign	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	Bilateral	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 14

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 567

HISTO: 0102814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
[Cyst TGLS = 4-10]			
Harderian Gland		Inflammation	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
* Lung		Mixed Cell Focus	Multiple
[Infiltration Cellular TGLS = 5-3+4]		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Adenoma	
		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Female

DAY ON TEST: 567

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102814

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-12] [Fibroadenoma TGLS = 1,3-11+13]		Hyperplasia	Minimal
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Minimal
Note: Inflammatory exudate was in the meatuses.			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Glandular Tooth	Peridont Tiss	Mineralization Inflammation	Mild Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Infiltration Cellular TGLS = 5-3+4]		
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Adenoma	
		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102815

ORGAN AND ACCOUNTABLE SITE STATUS

		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Adenoma TGLS = 1-11]			
[Carcinoma TGLS = 2-12]			
[Fibroadenoma TGLS = 3,4-13+14]			
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 217

HISTO: 0102816

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 17

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 217

HISTO: 0102817

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 18

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 217

HISTO: 0102818

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 19

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 217

HISTO: 0102819

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Calculus Micro Observation Only	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Moderate
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102820

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	Moderate
[Cyst TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Female

DAY ON TEST: 628

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

Lymph Node	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Moderate
[Cyst TGLS = 2-10]			
* Esophagus	Muscularis	Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Female

DAY ON TEST: 628

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102821

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 366

HISTO: 0102822

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 582

HISTO: 0102823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	Mesentery	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
[Cyst TGLS = 3-12]			
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
Lymph Node	Mediastinal	Ectasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pancreas		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Female

DAY ON TEST: 582

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102823

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 24

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 672

HISTO: 0102824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Mesentery	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Vacuolization Cytoplasmic	Cystic, Mild Mild Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst Inflammation	Moderate Minimal
Eye			
Note: One optic nerve missing.			
* Kidney	Renal Tubule Transit Epithe Pelvis	Hyperplasia Hyperplasia Inflammation Inflammation Mineralization Nephropathy	Minimal Moderate Moderate Chronic Active, Moderate Minimal Mild
[Inflammation TGLS = 7,8-5]			
* Liver	Bile Duct	Cyst Inflammation Pigmentation	Moderate Minimal Minimal
[Cyst TGLS = 6-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 24	TRT#: 1	SEX: Female	DAY ON TEST: 672
	DOSE: 0 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0102824

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3,4,5-8]			
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
Ureter	Transit Epithe	Hyperplasia	Mild
[Hyperplasia TGLS = 2-12]			
* Urinary Bladder		Calculus Gross Observation	
	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Mild
[Calculus Gross Observation TGLS = 1-11]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Urinary Bladder Calculus Gross Observation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 217

HISTO: 0102825

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 93

HISTO: 0102826

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Female

DAY ON TEST: 548

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	Lymph Node
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	Bilateral	Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Female

DAY ON TEST: 548

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102827

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung	Serosa	Fibrosis	Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild

[Infiltration Cellular TGLS = 2-3+4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102828

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-12]			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
		Inflammation	Moderate
		Ulcer	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Bilateral	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Female

DAY ON TEST: 727

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Mesentery	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 1-10]			
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Cyst	Minimal
		Fatty Change	Focal, Minimal
	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Carcinoma	Metastatic (Thyroid Gland)
	Serosa	Fibrosis	Minimal
Note: Left lung frozen for NTP.			
[Fibrosis TGLS = 2,3-11]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29	TRT#: 1	SEX: Female	DAY ON TEST: 727
	DOSE: 0 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0102829

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 5-12]		Fibroadenoma	
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland [Adenoma TGLS = 4-8]	Pars Distalis	Adenoma Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thyroid Gland	C Cell	Carcinoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia Metaplasia	Cystic, Mild Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
[Cyst TGLS = 3-10]			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Hepatocellular Adenoma TGLS = 7-13]			
[Hepatodiaphragmatic Nodule TGLS = 5-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0102830

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLS = 6-14]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Mild
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Minimal
[Fibroadenoma TGLS = 1,2-16+17]			
* Ovary		Atrophy Cyst	Moderate Mild
[Cyst TGLS = 8-10]			
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Female

DAY ON TEST: 482

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
Eye			
Note: One optic nerve missing.			
* Heart	Epicardium	Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Female

DAY ON TEST: 482

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102831

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Mineralization

Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Inflammation	Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32	TRT#: 1	SEX: Female	DAY ON TEST: 726
	DOSE: 0 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0102832

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Mild
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Minimal
Note: Inflammatory exudate was in the meatuses.			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Angiectasis Hyperplasia	Mild Moderate
[Hyperplasia TGLS = 3-8]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Female

DAY ON TEST: 727

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 2-4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0102833

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst Adenoma	Mild
* Spleen		Angiectasis Hematopoietic Cell Proliferation	Mild Mild
* Thymus		Pigmentation Atrophy	Minimal Marked
* Uterus	Endometrium	Hyperplasia Metaplasia	Cystic, Mild Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	Mesentery	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Mild
[Cyst TGLS = 5-10]			
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Ectasia	Moderate
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34	TRT#: 1	SEX: Female	DAY ON TEST: 726
	DOSE: 0 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0102834

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2-12+13]

Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

[Hyperplasia TGLS = 3-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Female

DAY ON TEST: 564

DOSE: 0 NG TEQ/KG

DISP: Natural Death

HISTO: 0102835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Necrosis	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Marked
[Inflammation TGLS = 2-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Female

DAY ON TEST: 564

DOSE: 0 NG TEQ/KG

DISP: Natural Death

HISTO: 0102835

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]

* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Minimal
Note: There was inflammatory exudate in the meatuses.			
* Ovary		Atrophy	Moderate
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia Metaplasia	Cystic, Minimal Squamous, Minimal

PRIMARY CAUSE OF DEATH

- Lung Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Female

DAY ON TEST: 216

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pancreas
Vagina

* Islets, Pancreatic
* Pituitary Gland

* Lung
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

OBSERVATIONS

* Adrenal Cortex
* Liver
* Ovary
* Spleen
* Thymus
* Thyroid Gland
* Uterus

Follicular Cel
Endometrium

Hypertrophy
Inflammation
Atrophy
Pigmentation
Atrophy
Hypertrophy
Hyperplasia
Metaplasia

Minimal
Minimal
Moderate
Minimal
Minimal
Mild
Cystic, Minimal
Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Female

DAY ON TEST: 216

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

* Pancreas
* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex
* Liver

Hypertrophy
Basophilic Focus
Inflammation
Mixed Cell Focus

Mild

* Lung
* Ovary
* Spleen

Hemorrhage
Atrophy
Pigmentation

Minimal
Multiple
Mild

* Thymus
* Uterus

Endometrium

Atrophy
Hyperplasia
Metaplasia

Minimal
Cystic, Mild
Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Female

DAY ON TEST: 216

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Mammary Gland
* Thymus

* Adrenal Medulla
* Pancreas
* Thyroid Gland

* Islets, Pancreatic
* Stomach, Forestomach
Vagina

* Lung
* Stomach, Glandular

OBSERVATIONS

* Liver

* Ovary
* Pituitary Gland
* Spleen
* Uterus

Inflammation
Necrosis
Atrophy
Cyst
Pigmentation
Metaplasia

Minimal
Minimal
Moderate
Minimal
Minimal
Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Female

DAY ON TEST: 216

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Pancreas
* Thymus

* Adrenal Medulla
* Pituitary Gland
* Thyroid Gland

* Islets, Pancreatic
* Stomach, Forestomach
Vagina

* Mammary Gland
* Stomach, Glandular

OBSERVATIONS

* Liver

* Lung
[Infiltration Cellular TGLS = 2-1]

* Ovary
* Spleen
* Uterus

[Hyperplasia TGLS = 1-4]

Endometrium

Inflammation
Pigmentation
Infiltration Cellular

Atrophy
Pigmentation
Hyperplasia
Inflammation

Minimal
Minimal
Histiocyte, Minimal

Moderate
Mild
Cystic, Minimal
Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Female

DAY ON TEST: 216

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Mammary Gland
* Stomach, Glandular

* Adrenal Medulla
* Pancreas
* Thymus

* Islets, Pancreatic
* Pituitary Gland
* Thyroid Gland

* Lung
* Stomach, Forestomach
Vagina

OBSERVATIONS

* Liver
* Ovary
* Spleen
* Uterus

Endometrium

Inflammation
Atrophy
Pigmentation
Hyperplasia
Metaplasia

Mild
Moderate
Minimal
Cystic, Mild
Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41 **TRT#:** 1 **SEX:** Female **DAY ON TEST:** 707
DOSE: 0 NG TEQ/KG **DISP:** Moribund Sacrifice **HISTO:** 0102841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	Lymph Node
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild

[Infiltration Cellular TGLS = 3-3+4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Female

DAY ON TEST: 707

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102841

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Ectasia	Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-11]		
* Ovary		Cyst	Moderate
	Note: The ovarian cyst was a bursal cyst.		
	[Cyst TGLS = 2-12]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 366

HISTO: 0102842

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Female

DAY ON TEST: 639

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	Mesentery	* Nose	Oral Mucosa
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Minimal
Eye	Retina	Atrophy	Moderate
	Iris	Cataract	Moderate
		Inflammation	Mild
Note: The eye lesions affected one eye. Both optic nerves were missing. [Cataract TGLS = 4-00]			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 7-5]			
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 9-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43	TRT#: 1	SEX: Female	DAY ON TEST: 639
	DOSE: 0 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0102843

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1,2,3-11+12+13]		
* Ovary		Atrophy	Moderate
		Cyst	Mild
	[Cyst TGLS = 5-10]		
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Moderate
* Uterus		Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Calculus Micro Observation Only	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Inflammation	Mild
		Mixed Cell Focus	Multiple
[Hepatocellular Adenoma TGLS = 4,5-14+15]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-3+4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44	TRT#: 1	SEX: Female	DAY ON TEST: 726
	DOSE: 0 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0102844

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Minimal
	[Carcinoma TGLS = 2-12]		
	[Fibroadenoma TGLS = 1,3-11+13]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Vacuolization Cytoplasmic	Mild
	[Adenoma TGLS = 7-8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Female

DAY ON TEST: 665

DOSE: 0 NG TEQ/KG

DISP: Natural Death

HISTO: 0102845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Mesentery	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Focal, Mild
	Bile Duct	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Necrosis	Minimal
[Fatty Change TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45	TRT#: 1	SEX: Female	DAY ON TEST: 665
	DOSE: 0 NG TEQ/KG	DISP: Natural Death	HISTO: 0102845

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 1-11]		Fibroadenoma	
Oral Mucosa Note: The hyperplastic oral mucosa formed a cavity with the adjacent tooth that contained hair shafts and inflammatory cells.	Gingival	Hyperplasia	Squamous, Mild
* Ovary Note: One ovary was atrophic. [Granulosa Cell Tumor Malignant TGLS = 3-12]		Atrophy Granulosa Cell Tumor Malignant	Marked
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Marked Minimal
* Thyroid Gland Tooth	Follicular Cel Peridont Tiss	Hypertrophy Inflammation	Mild Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0102846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	Mesentery	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hyperplasia	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Moderate
Note: One clitoral gland missing.			
* Esophagus	Muscularis	Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Infarct	Moderate
	Pelvis	Inflammation	Moderate
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Female

DAY ON TEST: 727

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102846

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Left lung frozen for NTP.

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Mild

* Mammary Gland

Fibroadenoma

Multiple

[Fibroadenoma TGLS = 1,2,3-11+12+13]

* Nose

Respirat Epith

Hyperplasia

Minimal

Inflammation

Minimal

Note: A foreign material (plant) was present in the meatuses.

* Ovary

Atrophy

Moderate

Cyst

Moderate

[Cyst TGLS = 4-14]

* Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

* Spleen

Hematopoietic Cell Proliferation

Moderate

Pigmentation

Minimal

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicle

Cyst

Moderate

Tooth

Peridont Tiss

Inflammation

Minimal

* Urinary Bladder

Inflammation

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Female

DAY ON TEST: 727

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis Degeneration Hypertrophy Vacuolization Cytoplasmic Cyst	Minimal Cystic, Mild Moderate Mild Moderate
* Clitoral Gland [Cyst TGLS = 3,4-10]	Duct		
Eye Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Calculus Micro Observation Only Mineralization Nephropathy	Minimal Minimal
* Liver	Bile Duct	Fatty Change Fibrosis Inflammation Mixed Cell Focus Infiltration Cellular	Diffuse, Minimal Mild Minimal Multiple Histiocyte, Mild
* Lung Note: Left lung frozen for NTP. [Infiltration Cellular TGLS = 5-4]			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Female

DAY ON TEST: 727

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102847

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Mild

* Mammary Gland

Fibroadenoma

Multiple

Hyperplasia

Minimal

[Fibroadenoma TGLS = 1,2-11+12]

* Ovary

Atrophy

Moderate

Cyst

Mild

* Pituitary Gland

Pars Distalis

Adenoma

Angiectasis

Moderate

[Adenoma TGLS = 6-8]

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

* Thymus

Atrophy

Mild

* Thyroid Gland

C Cell

Adenoma

Tooth

Peridont Tiss

Inflammation

Minimal

* Urinary Bladder

Edema

Moderate

Transit Epithe

Hyperplasia

Mild

Inflammation

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Female

DAY ON TEST: 688

DOSE: 0 NG TEQ/KG

DISP: Natural Death

HISTO: 0102848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Nose
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
[Cyst TGLS = 1-10]			
Eye			
Note: Both optic nerves missing.			
Note: Findings consistent with cataract occurred in the eyes of rats with autolysis. This was considered a postmortem artifact and not recorded in autolytic rats.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Focal, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Female

DAY ON TEST: 688

DOSE: 0 NG TEQ/KG

DISP: Natural Death

HISTO: 0102848

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 4 was very cystic.

[Fibroadenoma TGLS = 2,3,4-11+12+13]

* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	Bilateral, C Cell	Carcinoma	
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Moderate
		Cyst	Mild
[Cyst TGLS = 1-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0102849

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Carcinoma	
	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

[Carcinoma TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Marked
	Pelvis	Inflammation	Moderate
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-3]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50	TRT#: 1	SEX: Female	DAY ON TEST: 726
	DOSE: 0 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0102850

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Respirat Epith	Hyperplasia Inflammation	Minimal Minimal
* Ovary		Atrophy Cyst	Moderate Mild
Note: The cyst appeared to be a bursal cyst and was not readily confirmable. [Cyst TGLS = 5-10]			
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Minimal
[Adenoma TGLS = 2-8]			
* Spleen	Capsule	Fibrosis Hematopoietic Cell Proliferation Pigmentation	Moderate Mild Mild
Note: There was a fibrous adhesion of spleen to abdominal wall. [Fibrosis TGLS = 6-5]			
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Congestion Hyperplasia Metaplasia	Minimal Cystic, Minimal Squamous, Minimal
[Congestion TGLS = 3-10] [Hyperplasia TGLS = 4-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 51

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 93

HISTO: 0102851

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 52

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Multiple
		Inflammation	Minimal
* Lung			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
* Mammary Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 52

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102852

ORGAN AND ACCOUNTABLE SITE STATUS

		Fibroadenoma	
		Inflammation	Granulomatous, Mild
[Carcinoma TGLS = 1-11]			
[Fibroadenoma TGLS = 2-12]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-13]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Thymus		Atrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 53

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 217

HISTO: 0102853

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 54

TRT#: 1

SEX: Female

DAY ON TEST: 623

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple

[Eosinophilic Focus TGLS = 2-12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 54

TRT#: 1

SEX: Female

DAY ON TEST: 623

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102854

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Inflammation	Granulomatous, Moderate
[Fibroadenoma TGLS = 1-11]			
[Inflammation TGLS = 3-13]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 55

TRT#: 1

SEX: Female

DAY ON TEST: 649

DOSE: 0 NG TEQ/KG

DISP: Natural Death

HISTO: 0102855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	Lymph Node	* Lymph Node, Mandibular	Mesentery
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Atrophy Carcinoma	Moderate
Note: One adrenal was atrophic. [Carcinoma TGLS = 6-15]			
Blood Vessel		Mineralization	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 4-14]			
* Kidney		Calculus Micro Observation Only	
		Mineralization	Mild
* Liver	Centrilobular	Degeneration	Moderate
		Inflammation	Minimal
		Necrosis	Mild
* Lung	Serosa	Fibrosis	Mild
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 7-3]			
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
[Hyperplasia TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	Multiple
Note: There was no mammary tissue on slide 10.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 55

TRT#: 1

SEX: Female

DAY ON TEST: 649

DOSE: 0 NG TEQ/KG

DISP: Natural Death

HISTO: 0102855

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2,3-11+12+13]

Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 56

TRT#: 1

SEX: Female

DAY ON TEST: 92

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Mammary Gland
* Stomach, Forestomach
* Uterus

* Adrenal Medulla
* Ovary
* Stomach, Glandular
Vagina

* Islets, Pancreatic
* Pancreas
* Thymus

* Lung
* Pituitary Gland
* Thyroid Gland

OBSERVATIONS

* Liver
* Spleen

Inflammation
Pigmentation

Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 57

TRT#: 1

SEX: Female

DAY ON TEST: 92

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Ovary
* Stomach, Glandular
Vagina

* Adrenal Medulla
* Pancreas
* Thymus

* Islets, Pancreatic
* Pituitary Gland
* Thyroid Gland

* Mammary Gland
* Stomach, Forestomach
* Uterus

OBSERVATIONS

* Liver	Inflammation	Minimal
* Lung	Hemorrhage	Minimal
* Spleen	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 58

TRT#: 1

SEX: Female

DAY ON TEST: 92

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Mammary Gland
* Stomach, Forestomach
* Uterus

* Adrenal Medulla
* Ovary
* Stomach, Glandular
Vagina

* Islets, Pancreatic
* Pancreas
* Thymus

* Lung
* Pituitary Gland
* Thyroid Gland

OBSERVATIONS

* Liver
* Spleen

Inflammation
Pigmentation

Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 59

TRT#: 1

SEX: Female

DAY ON TEST: 92

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Islets, Pancreatic

* Mammary Gland

* Ovary

* Pancreas

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

* Thymus

* Thyroid Gland

* Uterus

Vagina

OBSERVATIONS

* Liver

Inflammation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Spleen

Inflammation

Minimal

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 60

TRT#: 1

SEX: Female

DAY ON TEST: 92

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Vagina

OBSERVATIONS

* Liver		Inflammation	Minimal
* Spleen		Pigmentation	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 61

TRT#: 1

SEX: Female

DAY ON TEST: 534

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild

[Fibroadenoma TGLS = 1-11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 61

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 534

HISTO: 0102861

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 62

TRT#: 1

SEX: Female

DAY ON TEST: 362

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-12]			
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Urinary Bladder		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Inflammation	Chronic Active, Minimal
[Hyperplasia TGLS = 3-13]			

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 62

TRT#: 1

SEX: Female

DAY ON TEST: 362

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102862

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 63

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 366

HISTO: 0102863

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 64

TRT#: 1

SEX: Female

DAY ON TEST: 727

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild

Note: Left lung frozen for NTP.

[Infiltration Cellular TGLS = 2-4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 64

TRT#: 1

SEX: Female

DAY ON TEST: 727

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102864

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

* Ovary

Hyperplasia

Atrophy

Cyst

Luteoma

Plasma Cell, Mild

Moderate

Mild

* Pituitary Gland

Pars Distalis

Adenoma

Angiectasis

Mild

[Adenoma TGLS = 4-8]

* Skin

[Fibroma TGLS = 1-11]

Fibroma

* Spleen

Hematopoietic Cell Proliferation

Pigmentation

Mild

Mild

* Thymus

Atrophy

Mild

* Thyroid Gland

C Cell

Adenoma

Follicular Cel

Hypertrophy

Minimal

Tooth

Peridont Tiss

Inflammation

Mild

* Uterus

Endometrium

Hyperplasia

Metaplasia

Cystic, Mild

Squamous, Mild

[Hyperplasia TGLS = 3-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 65

TRT#: 1

SEX: Female

DAY ON TEST: 651

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric
Mesentery	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	Multiple
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 65

TRT#: 1

SEX: Female

DAY ON TEST: 651

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102865

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]

* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 66

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
Blood Vessel			
Note: Aorta attached to heart.			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5-3+4]			
Lymph Node			
Note: Mediastinal is missing.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 66

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102866

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2,3-11+12+13]			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Marked

Note: Both uterine horns were lined by squamous epithelium, dilated and contained inflammatory cells and keratin.

[Metaplasia TGLS = 4-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 67

TRT#: 1

SEX: Female

DAY ON TEST: 555

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	Lymph Node
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
* Brain		Medulloblastoma Mal	
[Medulloblastoma Mal TGLS = 1-11]			
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Inflammation	Granulomatous, Mild
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 67

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 555

HISTO: 0102867

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

- Brain Medulloblastoma Mal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 68

TRT#: 1

SEX: Female

DAY ON TEST: 639

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		[Infiltration Cellular TGLS = 3-3+4]	
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Moderate
		[Ectasia TGLS = 2-13]	
		[Hyperplasia TGLS = 2-13]	
* Mammary Gland		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68	TRT#: 1	SEX: Female	DAY ON TEST: 639
	DOSE: 0 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0102868

ORGAN AND ACCOUNTABLE SITE STATUS

		Fibroadenoma	
[Cyst TGLS = 4-12]			
[Fibroadenoma TGLS = 1-11]			
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Intermed	Adenoma	
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 69

TRT#: 1

SEX: Female

DAY ON TEST: 727

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung frozen for NTP.			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69	TRT#: 1	SEX: Female	DAY ON TEST: 727
	DOSE: 0 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0102869

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Moderate
		Ulcer	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 70

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Fibrosis	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 70

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102870

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-8]			
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 71

TRT#: 1

SEX: Female

DAY ON TEST: 216

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Ovary
* Stomach, Glandular
Vagina

* Adrenal Medulla
* Pancreas
* Thymus

* Islets, Pancreatic
* Pituitary Gland
* Thyroid Gland

* Mammary Gland
* Stomach, Forestomach
* Uterus

OBSERVATIONS

* Liver
* Lung
* Spleen

Inflammation
Infiltration Cellular
Pigmentation

Mild
Histiocyte, Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 72

TRT#: 1

SEX: Female

DAY ON TEST: 216

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pancreas
* Thymus

* Islets, Pancreatic
* Pituitary Gland
* Thyroid Gland

* Lung
* Stomach, Forestomach
* Uterus

* Ovary
* Stomach, Glandular
Vagina

OBSERVATIONS

* Adrenal Cortex
* Liver

Hypertrophy
Cholangiofibrosis
Inflammation
Mixed Cell Focus
Hyperplasia
Pigmentation

Minimal
Minimal
Minimal
Multiple
Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 73

TRT#: 1

SEX: Female

DAY ON TEST: 216

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Pancreas
* Thymus

* Adrenal Medulla
* Pituitary Gland
* Thyroid Gland

* Islets, Pancreatic
* Stomach, Forestomach
* Uterus

* Ovary
* Stomach, Glandular
Vagina

OBSERVATIONS

* Liver
Bile Duct

[Hepatodiaphragmatic Nodule TGLS = 1-6]

Fibrosis
Hepatodiaphragmatic Nodule
Inflammation
Mixed Cell Focus

Minimal

Minimal

* Lung

* Mammary Gland
* Spleen

Hemorrhage
Infiltration Cellular
Hyperplasia
Pigmentation

Mild
Histiocyte, Minimal
Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 74

TRT#: 1

SEX: Female

DAY ON TEST: 216

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pancreas
Vagina

* Islets, Pancreatic
* Pituitary Gland

* Lung
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

OBSERVATIONS

* Adrenal Cortex
* Liver

Hypertrophy
Inflammation
Mixed Cell Focus

Minimal
Minimal

* Ovary
* Spleen
* Thymus

Atrophy
Pigmentation
Atrophy

Moderate
Minimal
Mild

* Thyroid Gland
* Uterus

Follicular Cel
Endometrium

Hypertrophy
Hyperplasia
Metaplasia

Minimal
Cystic, Mild
Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 75

TRT#: 1

SEX: Female

DAY ON TEST: 216

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Ovary
* Stomach, Glandular

* Islets, Pancreatic
* Pancreas
* Thymus

* Lung
* Pituitary Gland
* Uterus

* Mammary Gland
* Stomach, Forestomach
Vagina

OBSERVATIONS

* Adrenal Cortex
* Liver

Hypertrophy
Inflammation
Mixed Cell Focus
Pigmentation
Pigmentation
Hypertrophy

Minimal
Minimal

Minimal
Minimal
Minimal

* Spleen
* Thyroid Gland

Follicular Cel

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 76

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLS = 7-3+4]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	Multiple
		Fibroadenoma	Multiple
		Hyperplasia	Minimal
	[Carcinoma TGLS = 3,6-13+16]		
	[Fibroadenoma TGLS = 1,2,4,5-11+12+14+15]		
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 76

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0102876

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-8]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Stomach, Forestomach

Squamous Cell Carcinoma

[Squamous Cell Carcinoma TGLS = 9-17]

* Thymus

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 77

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Ectasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 77

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102877

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland [Carcinoma TGLS = 3-8]	C Cell	Carcinoma	
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia Metaplasia	Cystic, Mild Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 78

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Atrophy	Moderate
		Degeneration	Cystic, Mild
		Hypertrophy	Mild
Note: One adrenal was atrophic.			
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 78

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102878

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]

Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 79

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0102879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla missing.			
* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Cholangiofibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Cholangiofibrosis TGLS = 4-12]			
[Hepatodiaphragmatic Nodule TGLS = 3-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 79

TRT#: 1

SEX: Female

DAY ON TEST: 726

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102879

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 5-8]			
* Uterus		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 80

TRT#: 1

SEX: Female

DAY ON TEST: 727

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Cyst	Mild
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal

Note: Left lung frozen for NTP.

[Infiltration Cellular TGLS = 2-4]

Lymph Node

Note: Mediastinal is missing.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 80	TRT#: 1	SEX: Female	DAY ON TEST: 727
	DOSE: 0 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0102880

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
	[Fibroadenoma TGLS = 1-11]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Vacuolization Cytoplasmic	Mild
	[Adenoma TGLS = 3-8]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 81

TRT#: 1

SEX: Female

DAY ON TEST: 365

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

* Pancreas
* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex

Hypertrophy
Vacuolization Cytoplasmic

Minimal

* Liver

Inflammation

Minimal

* Lung

Mixed Cell Focus
Infiltration Cellular

Multiple

* Ovary

Atrophy

Histiocyte, Minimal

* Spleen

Pigmentation

Moderate

* Thymus

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Mild

Metaplasia

Cystic, Mild

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 82

TRT#: 1

SEX: Female

DAY ON TEST: 365

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

* Pancreas
Vagina

OBSERVATIONS

* Adrenal Cortex
* Liver

Hypertrophy
Eosinophilic Focus
Inflammation
Necrosis

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Ovary

Atrophy

Moderate

* Spleen

Pigmentation

Minimal

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 83

TRT#: 1

SEX: Female

DAY ON TEST: 365

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

* Pancreas
Vagina

OBSERVATIONS

* Adrenal Cortex
* Liver

* Lung
* Ovary
* Spleen

* Thymus
* Thyroid Gland
* Uterus

C Cell
Endometrium

Hypertrophy
Inflammation
Mixed Cell Focus
Infiltration Cellular
Atrophy
Hematopoietic Cell Proliferation
Pigmentation
Atrophy
Hyperplasia
Hyperplasia
Metaplasia

Minimal
Minimal
Multiple
Histiocyte, Minimal
Moderate
Minimal
Mild
Mild
Minimal
Cystic, Mild
Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 84

TRT#: 1

SEX: Female

DAY ON TEST: 365

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pancreas
* Thymus

* Islets, Pancreatic
* Pituitary Gland
Vagina

* Lung
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

OBSERVATIONS

* Adrenal Cortex
* Liver

Hypertrophy
Inflammation
Mixed Cell Focus

Minimal
Minimal
Multiple

* Ovary

Atrophy

Moderate

* Spleen

Pigmentation

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 85

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 93

HISTO: 0102885

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 86

TRT#: 1

SEX: Female

DAY ON TEST: 365

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

* Pancreas
* Uterus

OBSERVATIONS

* Adrenal Cortex
* Liver

* Lung
* Ovary
* Spleen
* Thymus
* Thyroid Gland

Hypertrophy
Inflammation
Mixed Cell Focus
Infiltration Cellular
Atrophy
Pigmentation
Atrophy
Hypertrophy

Minimal
Minimal
Multiple
Histiocyte, Minimal
Moderate
Minimal
Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 87

TRT#: 1

SEX: Female

DAY ON TEST: 365

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Pancreas
* Thyroid Gland

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

OBSERVATIONS

* Liver

Basophilic Focus

Inflammation

Minimal

Mixed Cell Focus

Multiple

Infiltration Cellular

Histiocyte, Minimal

* Lung

Atrophy

Moderate

* Ovary

Pigmentation

Mild

* Spleen

Atrophy

Mild

* Thymus

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 88

TRT#: 1

SEX: Female

DAY ON TEST: 275

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
Lymph Node	Mediastinal	Ectasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 89

TRT#: 1

SEX: Female

DAY ON TEST: 365

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Pancreas
* Thymus

* Adrenal Medulla
* Pituitary Gland
* Thyroid Gland

* Islets, Pancreatic
* Stomach, Forestomach
Vagina

* Mammary Gland
* Stomach, Glandular

OBSERVATIONS

* Liver

Basophilic Focus
Fatty Change
Inflammation
Mixed Cell Focus

Focal, Minimal
Minimal

* Lung

Infiltration Cellular

Histiocyte, Mild

* Ovary

Atrophy

Moderate

* Spleen

Pigmentation

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 90

TRT#: 1

SEX: Female

DAY ON TEST: 365

DOSE: 0 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Pancreas
* Thymus

* Adrenal Medulla
* Pituitary Gland
* Thyroid Gland

* Islets, Pancreatic
* Stomach, Forestomach
* Uterus

* Ovary
* Stomach, Glandular
Vagina

OBSERVATIONS

* Liver
* Lung
* Mammary Gland

Mixed Cell Focus
Infiltration Cellular
Cyst
Hyperplasia

Histiocyte, Minimal
Moderate
Minimal

[Cyst TGLS = 1-6]

* Spleen

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 91

TRT#: 1

SEX: Female

DAY ON TEST: 313

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
Lymph Node	* Lymph Node, Mesenteric	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Cyst	Mild
[Cyst TGLS = 2-10]			
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 91

TRT#: 1

SEX: Female

DAY ON TEST: 313

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102891

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 92

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 93

HISTO: 0102892

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 93

TRT#: 1

SEX: Female

DAY ON TEST: 534

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
* Esophagus	Muscularis	Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 93

TRT#: 1

SEX: Female

DAY ON TEST: 534

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102893

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]

* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 94

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 366

HISTO: 0102894

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 95

TRT#: 1

SEX: Female

DAY ON TEST: 628

DOSE: 0 NG TEQ/KG

DISP: Natural Death

HISTO: 0102895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Necrosis	Marked
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus		Metaplasia	Squamous, Minimal
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 95

TRT#: 1

SEX: Female

DAY ON TEST: 628

DOSE: 0 NG TEQ/KG

DISP: Natural Death

HISTO: 0102895

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 96

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 687

HISTO: 0102896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Nose
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Moderate
[Inflammation TGLS = 4-00]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Deep Cervical	Hyperplasia	Plasma Cell, Moderate
[Hyperplasia TGLS = 6-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
[Hyperplasia TGLS = 3-9]			
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 96

TRT#: 1

SEX: Female

DAY ON TEST: 687

DOSE: 0 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102896

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2-11+12]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-1]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Marked
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 97

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0102897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Moderate Moderate
[Degeneration TGLS = 4-8]			
[Hypertrophy TGLS = 4-8]			
* Adrenal Medulla		Hyperplasia	Mild
Note: One adrenal medulla missing.			
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst Inflammation	Mild Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus Hematopoietic Cell Proliferation	Minimal Minimal
* Lung	Alveolar Epith	Inflammation Hyperplasia Infiltration Cellular	Minimal Minimal Histiocyte, Moderate
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 5-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 97

TRT#: 1

SEX: Female

DAY ON TEST: 727

DOSE: 0 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102897

ORGAN AND ACCOUNTABLE SITE STATUS

Note: The inflammation eroded the bone and there was inflammatory exudate in the meatuses.

[Inflammation TGLS = 7-13]

* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Moderate
	[Adenoma TGLS = 6-8]		
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Marked Minimal
	[Hematopoietic Cell Proliferation TGLS = 2-5]		
* Thymus		Atrophy	Mild
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Minimal Suppurative, Mild
	Cervix	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 3-11]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 98

TRT#: 1

DOSE: 0 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 93

HISTO: 0102898

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101	TRT#: 2	SEX: Female	DAY ON TEST: 216
	DOSE: 7 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0102899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	* Ovary	* Pancreas	* Thymus
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 102

TRT#: 2

SEX: Female

DAY ON TEST: 216

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Pancreas

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Minimal

* Liver

Inflammation

Minimal

Mixed Cell Focus

Pigmentation

Minimal

* Ovary

Atrophy

Moderate

* Thymus

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 103

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 216

HISTO: 0102901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Pancreas

* Thymus

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Minimal

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Mixed Cell Focus

* Ovary

Atrophy

Moderate

* Pituitary Gland

Angiectasis

Mild

[Angiectasis TGLS = 1-3]

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 216

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Pancreas

* Thymus

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Minimal

* Liver

Inflammation

Minimal

* Ovary

Mixed Cell Focus

Moderate

* Uterus

Atrophy

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 105

TRT#: 2

SEX: Female

DAY ON TEST: 216

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Ovary

* Pancreas

* Thymus

* Thyroid Gland

* Uterus

OBSERVATIONS

* Liver

Inflammation

Minimal

Mixed Cell Focus

Multiple

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

OBSERVATIONS

* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107	TRT#: 2	SEX: Female	DAY ON TEST: 92
	DOSE: 7 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0102905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Thymus	* Thyroid Gland
------------------	----------	-----------------

OBSERVATIONS

* Liver	Clear Cell Focus	Multiple
	Inflammation	Minimal
	Necrosis	Moderate

Note: The mass observed at necropsy was a necrotic inflamed caudate lobe of the liver.
[Necrosis TGLS = 1-6]

* Lung	Infiltration Cellular	Histiocyte, Minimal
--------	-----------------------	---------------------

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 108

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Mild

Inflammation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Inflammation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 110

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thyroid Gland

OBSERVATIONS

* Liver

Inflammation

Mild

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Thymus

Inflammation

Minimal

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 111

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 525

HISTO: 0102909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Cyst	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
	Hepatocyte	Hypertrophy	Minimal
	Serosa	Inflammation	Moderate
		Inflammation	Minimal
[Cyst TGLS = 2-13]			
[Hepatodiaphragmatic Nodule TGLS = 2-13]			
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hyperplasia	Plasma Cell, Mild
[Ectasia TGLS = 3-13]			
[Hyperplasia TGLS = 3-13]			
* Mammary Gland		Inflammation	Granulomatous, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 2
DOSE: 7 NG TEQ/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 525
HISTO: 0102909

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy Inflammation	Mild Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Schwannoma Malignant	Metastatic (Uterus)
Skeletal Muscle		Hyperplasia	Mild
Note: The abdominal musculature was infiltrated by the tumor.			
* Spleen		Schwannoma Malignant	Metastatic (Uterus)
* Thymus		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Pigmentation	Minimal
Tooth	Peridont Tiss	Atrophy	Moderate
* Urinary Bladder		Hypertrophy	Minimal
* Uterus		Inflammation	Minimal
		Schwannoma Malignant	Metastatic (Uterus)
		Metaplasia	Squamous, Minimal
		Schwannoma Malignant	

[Schwannoma Malignant TGLS = 1-11+12]

PRIMARY CAUSE OF DEATH - Uterus Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 112

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 328

HISTO: 0102910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla missing.			
* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Brain		Hemorrhage	Minimal
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye		Cataract	Mild
[Cataract TGLS = 1-00]			
* Heart	Epicardium	Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 112

TRT#: 2

SEX: Female

DAY ON TEST: 328

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102910

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 2-11]

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

- Thymus Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 113

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 594

HISTO: 0102911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Minimal

[Infiltration Cellular TGLS = 2-3+4]

Lymph Node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113	TRT#: 2	SEX: Female	DAY ON TEST: 594
	DOSE: 7 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0102911

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 1-11]		Fibroadenoma	
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 114

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
Harderian Gland		Inflammation	Minimal
* Kidney		Calculus Micro Observation Only	
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 114

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0102912

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Minimal Mild Mild
	[Eosinophilic Focus TGLS = 2-6+7] [Mixed Cell Focus TGLS = 2-6+7]		
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Inflammation	Minimal Histiocyte, Mild Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Fibroadenoma Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-11]		
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Moderate
	Artery	Inflammation	Chronic Active, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 115

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 659

HISTO: 0102913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Mild
		Hypertrophy	Marked
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Calculus Micro Observation Only	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Inflammation	Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Nose	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 115

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 659

HISTO: 0102913

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Inflammatory exudate was in the meatuses.

* Ovary

* Spleen

* Stomach, Glandular

* Thyroid Gland

* Uterus

Follicular Cel

Endometrium

Inflammation

Atrophy

Hematopoietic Cell Proliferation

Pigmentation

Mineralization

Hypertrophy

Hemangiosarcoma

Hyperplasia

Polyp Stromal

Mild

Moderate

Mild

Minimal

Minimal

Minimal

Cystic, Moderate

[Hemangiosarcoma TGLS = 3-13]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 116

TRT#: 2

SEX: Female

DAY ON TEST: 567

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Eosinophilic Focus TGLS = 4-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 116

TRT#: 2

SEX: Female

DAY ON TEST: 567

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102914

ORGAN AND ACCOUNTABLE SITE STATUS

Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]		
Lymph Node		
Note: Mediastinal is missing.		
* Lymph Node, Mandibular	Ectasia	Mild
* Mammary Gland	Fibroadenoma	Multiple
	Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]		
* Nose	Respirat Epith	Hyperplasia
		Inflammation
Note: Inflammatory exudate was in the meatuses.		Mild
Oral Mucosa	Gingival	Hyperplasia
* Spleen		Hematopoietic Cell Proliferation
		Pigmentation
* Thymus		Atrophy
Tooth	Peridont Tiss	Inflammation
		Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 117

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 639

HISTO: 0102915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Toxic Hepatopathy	Minimal
[Cyst TGLS = 4-12]			
[Mixed Cell Focus TGLS = 7-6+14]			
* Lung		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 117

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 639

HISTO: 0102915

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 6-3+4]	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
	Olfactory Epi	Metaplasia	Mild
Note: There was metaplasia of olfactory epithelium to respiratory type.			
Note: Inflammatory exudate was in the meatuses.			
* Ovary		Atrophy	Moderate
		Cyst	Mild
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 5-13]			
* Skin		Fibroma	
[Fibroma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Carcinoma	
	Endometrium	Hyperplasia	Cystic, Mild
[Carcinoma TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

- Skin Fibroma

CONTRIBUTORY CAUSE OF DEATH

- Uterus Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 118

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0102916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis Degeneration Hypertrophy Vacuolization Cytoplasmic	Mild Cystic, Mild Moderate Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst Inflammation	Mild Mild
Eye	Retina	Atrophy Cataract	Moderate Moderate
Note: One optic nerve missing. [Cataract TGLS = 1-00]			
* Heart	Coron Artery	Inflammation	Chronic Active, Mild
* Kidney		Mineralization Nephropathy	Minimal Mild
* Liver		Hematopoietic Cell Proliferation Inflammation	Minimal Minimal
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Inflammation	Mild Histiocyte, Mild Minimal

Note: Left lung frozen for NTP.
[Infiltration Cellular TGLS = 2-4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 118

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102916

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
	Periovarn Tiss	Inflammation	Chronic Active, Moderate
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
		Lipomatosis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
		Vacuolization Cytoplasmic	Minimal
[Hyperplasia TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Mild
[Hyperplasia TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 119

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0102917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Calculus Micro Observation Only	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 119

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102917

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]

* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 120

TRT#: 2

SEX: Female

DAY ON TEST: 616

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mesenteric	Mesentery	Oral Mucosa
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Necrosis	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	[Infiltration Cellular TGLS = 4-3+4]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 120

TRT#: 2

SEX: Female

DAY ON TEST: 616

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102918

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2-11+12]

* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Mild
Note: Inflammatory exudate was in the meatuses.			
* Ovary		Atrophy Cyst	Moderate Moderate
[Cyst TGLS = 3-10]			
* Pituitary Gland		Angiectasis Hyperplasia	Mild Moderate
* Spleen	Pars Distalis	Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell C Cell Follicular Cel	Adenoma Hyperplasia Hypertrophy	Moderate Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia Inflammation	Mild Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 121

TRT#: 2

SEX: Female

DAY ON TEST: 498

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Focal, Minimal
		Inflammation	Mild
		Necrosis	Mild
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 121

TRT#: 2

SEX: Female

DAY ON TEST: 498

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102919

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Tooth

Peridont Tiss

Hematopoietic Cell Proliferation

Pigmentation

Atrophy

Inflammation

Moderate

Minimal

Marked

Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 122

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0102920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 122

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102920

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1,2-11+12]		
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pancreas	Acinus	Atrophy	Moderate
		Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	[Adenoma TGLS = 4-8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 123

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 651

HISTO: 0102921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
Mesentery	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Vacuolization Cytoplasmic	Cystic, Moderate Moderate Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Moderate
[Inflammation TGLS = 2-13]			
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 4-5]			
* Liver		Inflammation Necrosis Pigmentation	Mild Mild Mild
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Plasma Cell, Mild
[Hemorrhage TGLS = 5-13]			
[Hyperplasia TGLS = 5-13]			
* Lymph Node, Mandibular		Ectasia Hyperplasia	Mild Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 123

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 651

HISTO: 0102921

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,6-11+14]		Hyperplasia	Minimal
* Nose	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Mild
		Metaplasia	Mild
Note: There was metaplasia of olfactory epithelium to respiratory type.			
Note: Inflammatory exudate was in the meatuses.			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 7-1+12]			
* Ovary		Atrophy	Moderate
		Cyst	Mild
[Cyst TGLS = 3-10]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Erosion	Mild
		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Marked

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 124

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 534

HISTO: 0102922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Mixed Cell Focus TGLS = 2-6+7+12]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
Lymph Node			
Note: Mediastinal is missing.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124	TRT#: 2	SEX: Female	DAY ON TEST: 534
	DOSE: 7 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0102922

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
Note: Inflammatory exudate was in the meatuses.			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 659

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

MISSING

Lymph Node	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
	Pelvis	Inflammation	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 659

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102923

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3,4-7+13]			
[Hepatocellular Adenoma TGLS = 5-14]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Minimal
* Uterus		Adenomyosis	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 126

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 436

HISTO: 0102924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Necrosis	Moderate
[Necrosis TGLS = 2-6+7]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 126

TRT#: 2

SEX: Female

DAY ON TEST: 436

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102924

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]

* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 127

TRT#: 2

SEX: Female

DAY ON TEST: 541

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Mesentery

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Pericardium	Inflammation	Chronic Active, Marked
Note: The inflammatory foci contained foreign material (plant). [Inflammation TGLS = 6,7-14]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Carcinoma	
		Mineralization	Minimal
		Nephropathy	Minimal
[Carcinoma TGLS = 4-13]			
* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 127

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 541

HISTO: 0102925

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 3-3+4]

* Mammary Gland

Cyst
Fibroadenoma
Inflammation

Moderate

Granulomatous, Mild

[Cyst TGLS = 1-11]

[Fibroadenoma TGLS = 2-12]

[Inflammation TGLS = 1-11]

* Ovary

* Pituitary Gland

[Adenoma TGLS = 5-8]

* Spleen

* Thymus

* Thyroid Gland

* Uterus

Pars Distalis

Lymph Follic

C Cell

Endometrium

Atrophy
Adenoma

Atrophy
Pigmentation
Atrophy
Hyperplasia
Hyperplasia
Metaplasia

Moderate

Mild
Moderate
Mild
Mild
Cystic, Minimal
Squamous, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 128

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 366

HISTO: 0102926

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 129

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-8]			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 5-12]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum	Artery	Inflammation	Chronic Active, Moderate
* Kidney		Cyst	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Metaplasia	Squamous, Minimal
Lymph Node	Lumbar	Ectasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 129

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0102927

ORGAN AND ACCOUNTABLE SITE STATUS

	Renal	Ectasia	Moderate
Note: Mediastinal is missing. [Ectasia TGLS = 8-14] [Ectasia TGLS = 9-15]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Ectasia	Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Artery	Inflammation	Chronic Active, Moderate
Note: Arteries in multiple organs were affected with inflammation and degeneration. [Inflammation TGLS = 10-16]			
* Ovary		Atrophy	Moderate
		Inflammation	Chronic Active, Moderate
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 6-8]			
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 7-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Metaplasia	Squamous, Marked
Note: The uterine horns were lined by squamous epithelium, dilated and contained some keratin. [Metaplasia TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 130

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 275

HISTO: 0102928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Mesentery

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
* Kidney		Mineralization	Mild
* Liver		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
* Lung		Carcinoma	Metastatic (Mammary Gland)
[Carcinoma TGLS = 2,3,4-3+4+12]			
Lymph Node	Mediastinal	Ectasia	Mild
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 131

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 631

HISTO: 0102929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Necrosis	Mild
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
		Schwannoma Malignant	Metastatic (Skin)
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-12,3-13]			
* Nose	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 131

TRT#: 2

SEX: Female

DAY ON TEST: 631

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102929

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Inflammation	Minimal
		Atrophy	Moderate
		Cyst	Mild
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands		Schwannoma Malignant	Metastatic (Skin)
* Skin		Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 1-11]		
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Hyperplasia	Moderate
	C Cell	Hypertrophy	Minimal
	Follicular Cel		
PRIMARY CAUSE OF DEATH	- Skin	Schwannoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 132

TRT#: 2

SEX: Female

DAY ON TEST: 714

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Harderian Gland		Inflammation	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Moderate
		[Infiltration Cellular TGLS = 2-3+4]	
	Lymph Node		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 2

SEX: Female

DAY ON TEST: 714

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102930

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.

* Mammary Gland

[Fibroadenoma TGLS = 1-11]

Fibroadenoma

* Nose

Respirat Epith

Hyperplasia

Mild

Inflammation

Minimal

Note: Inflammatory exudate was in the meatuses.

* Ovary

Atrophy

Moderate

Cyst

Mild

* Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

* Spleen

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

Tooth

Peridont Tiss

Inflammation

Minimal

* Urinary Bladder

Inflammation

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 133

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 623

HISTO: 0102931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Mesentery

OBSERVATIONS

* Adren Medulla

Note: One adrenal medulla missing.

* Adrenal Cortex

Angiectasis	Mild
Degeneration	Cystic, Mild
Hyperplasia	Mild
Hypertrophy	Moderate
Hyperplasia	Mild
Cyst	Moderate
Inflammation	Minimal

* Bone Marrow

* Clitoral Gland

Duct

Ear

Note: One optic nerve missing.

* Heart

* Kidney

Cardiomyopathy	Minimal
Mineralization	Minimal
Nephropathy	Minimal
Basophilic Focus	Multiple
Eosinophilic Focus	Multiple
Fatty Change	Focal, Mild
Hematopoietic Cell Proliferation	Minimal
Inflammation	Minimal
Mixed Cell Focus	Multiple

* Liver

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 133

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 623

HISTO: 0102931

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Hepatocyte	Multinucleated Necrosis Pigmentation Toxic Hepatopathy Infiltration Cellular Inflammation	Mild Mild Minimal Minimal Histiocyte, Minimal Mild
[Infiltration Cellular TGLS = 4-3] [Inflammation TGLS = 5-4]			
Lymph Node	Mediastinal Mediastinal	Ectasia Hyperplasia	Mild Plasma Cell, Mild
[Ectasia TGLS = 3-13] [Hyperplasia TGLS = 3-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma Hyperplasia Inflammation	Minimal Moderate
[Fibroadenoma TGLS = 1-12] [Inflammation TGLS = 2-11]			
Oral Mucosa	Gingival	Hyperplasia Hematopoietic Cell Proliferation Pigmentation	Squamous, Moderate Moderate Minimal
* Spleen		Atrophy	Mild
* Thymus	C Cell	Adenoma	
* Thyroid Gland	Peridont Tiss	Inflammation	Minimal
Tooth			
PRIMARY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma	
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland	Inflammation	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 134

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 611

HISTO: 0102932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 611

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102932

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-8]		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Mild
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 135

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 705

HISTO: 0102933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	Mesentery	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Mild
		Papilloma	
[Papilloma TGLS = 4-11]			
* Liver	Serosa	Fatty Change	Diffuse, Minimal
		Inflammation	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
		Necrosis	Mild
		Pigmentation	Minimal
[Inflammation TGLS = 3-6]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Cyst	Mild
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 135

TRT#: 2

SEX: Female

DAY ON TEST: 705

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102933

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Pigmentation	Minimal
Tooth	Peridont Tiss	Atrophy	Marked
* Uterus	Endometrium	Inflammation	Minimal
		Hyperplasia	Cystic, Marked
		Inflammation	Suppurative, Marked

[Hyperplasia TGLS = 1-12]

PRIMARY CAUSE OF DEATH

- Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 136

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0102934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 2-10]			
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 136

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102934

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]

* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 137

TRT#: 2

SEX: Female

DAY ON TEST: 374

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Liver	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 137

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 374

HISTO: 0102935

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Inflammation

Chronic Active, Mild

Metaplasia

Squamous, Marked

Note: The uterine horns were lined by squamous epithelium, dilated and contained some keratin.

[Metaplasia TGLS = 1-11]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 138

TRT#: 2

SEX: Female

DAY ON TEST: 485

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 138

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 485

HISTO: 0102936

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus		Metaplasia	Squamous, Marked

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	Oral Mucosa	* Pancreas	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Calculus Micro Observation Only	
* Liver		Basophilic Focus	Multiple
		Cholangiofibrosis	Minimal
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Mild
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
[Eosinophilic Focus TGLS = 3,4-6+11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102937

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 5-4]

Lymph Node	Mediastinal	Ectasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal

[Fibroadenoma TGLS = 1,2-12+13]

* Nose		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal

[Adenoma TGLS = 6-8]

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Carcinoma	

[Squamous Cell Carcinoma TGLS = 7-14]

* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 140

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 700

HISTO: 0102938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mesenteric	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Hyperplasia	Cystic, Minimal Mild Moderate
* Bone Marrow			
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization Nephropathy Basophilic Focus Eosinophilic Focus Hematopoietic Cell Proliferation	Minimal Minimal Multiple Multiple Minimal
* Liver	Hepatocyte	Hypertrophy Inflammation Infiltration Cellular Inflammation Metaplasia	Minimal Minimal Histiocyte, Mild Mild Bronchiolar, Minimal
	Alveolar Epith		
	[Infiltration Cellular TGLS = 4-3+4]		
	[Inflammation TGLS = 4-3+4]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Ovary		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 700

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102938

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-10]

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Marked

Note: The uterine horns were lined by squamous epithelium, dilated and filled with keratin and inflammatory cells.

[Metaplasia TGLS = 2-10]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 141

TRT#: 2

SEX: Female

DAY ON TEST: 484

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Moderate
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Degeneration TGLS = 3-6+7]			
Lymph Node	Mediastinal	Ectasia	Minimal
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 141

TRT#: 2

SEX: Female

DAY ON TEST: 484

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102939

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Minimal
[Hematopoietic Cell Proliferation TGLS = 2-5]			
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		
CONTRIBUTORY CAUSE OF DEATH	- Liver Centrilobular Degeneration		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node	Mesentery	* Parathyroid Gland	
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 1-10]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 2-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102940

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Mild
	Bilateral	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 78

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node Mesentery

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Liver		Inflammation	Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 144

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Focal, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Nose	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 144

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102942

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
Note: Inflammatory exudate was in the meatuses.			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 145

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0102943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 1-10]			
* Esophagus		Degeneration	Moderate
Note: A diverticulum was present in the esophagus. The lesion was diagnosed as degeneration because it was the closest of available terms.			
[Degeneration TGLS = 3-11]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Fibrosis	Minimal
	Artery	Inflammation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 4-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 145

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0102943

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Hemorrhage	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Carcinoma	
	Follicular Cel	Hypertrophy	Mild
[Carcinoma TGLS = 2-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 146

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 400

HISTO: 0102944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
Eye			
Note: One optic nerve missing.			
* Liver	Hepatocyte	Eosinophilic Focus	Minimal
		Hypertrophy	Metastatic (Uncertain Primary Site)
* Lung		Carcinoma	
[Carcinoma TGLS = 2-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH - Lung Carcinoma Uncertain Primary Site

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 147

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Focal, Mild
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-14]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 6-4]			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 147

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102945

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Mild

* Mammary Gland

Fibroadenoma

Multiple

[Fibroadenoma TGLS = 1,2,3-11+12+13]

* Ovary

Atrophy

Moderate

* Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Minimal

* Thymus

Atrophy

Mild

* Thyroid Gland

C Cell

Carcinoma

Note: Only one thyroid had a lesion.

[Carcinoma TGLS = 7-8]

Tooth

Peridont Tiss

Inflammation

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Bilateral

Polyp Stromal

[Hyperplasia TGLS = 5-15]

[Polyp Stromal TGLS = 5-15]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 148

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 642

HISTO: 0102946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node	* Parathyroid Gland
------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye	Retina	Atrophy	Mild
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Necrosis	Mild
* Lung		Inflammation	Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Nose		Inflammation	Minimal
Note: A mucinous exudate was in the meatuses.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 148

TRT#: 2

SEX: Female

DAY ON TEST: 642

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102946

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Marked

Note: The metaplasia in the uterus formed a papillomatous pattern.

[Metaplasia TGLS = 3-10]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 149

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
[Cyst TGLS = 3-12]			
Eye			
Note: One optic nerve missing.			
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 1-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 149

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102947

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
		Cyst	Marked
	[Cyst TGLS = 4-13]		
* Pituitary Gland		Cytoplasmic Alteration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Serosa	Inflammation	Chronic Active, Marked
		Metaplasia	Squamous, Marked

Note: The uterine horn was lined by squamous epithelium, dilated and contained keratin and inflammatory cells. An inflammatory focus was on the serosa.

[Inflammation TGLS = 5-14]

[Metaplasia TGLS = 5-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 150

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Marked
	Cornea	Inflammation	Mild
Note: One optic nerve missing.			
Note: The cataract affected one eye and the retina was detached.			
[Cataract TGLS = 1-00]			
[Inflammation TGLS = 1-00]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Focal, Minimal
		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 150

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0102948

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated	Minimal
* Lung	Alveolar Epith	Pigmentation	Minimal
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung frozen for NTP. [Infiltration Cellular TGLS = 4-4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-11+12]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 151

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 691

HISTO: 0102949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
[Hypertrophy TGLS = 3-8]			
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 2-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Necrosis	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 151

TRT#: 2

SEX: Female

DAY ON TEST: 691

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102949

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Mild

* Mammary Gland

Fibroadenoma

Hyperplasia

Minimal

[Fibroadenoma TGLS = 1-11]

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

- Liver Necrosis

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 152

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 443

HISTO: 0102950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy Hypertrophy	Marked Mild
Note: One adrenal was atrophic. [Atrophy TGLS = 2-12]			
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst Inflammation	Moderate Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Cyst Mineralization Nephropathy	Moderate Minimal Minimal
[Cyst TGLS = 3-5]			
* Liver		Hematopoietic Cell Proliferation Inflammation Mixed Cell Focus Pigmentation	Minimal Mild Multiple Minimal
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Mild
[Infiltration Cellular TGLS = 4-3+4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152	TRT#: 2	SEX: Female	DAY ON TEST: 443
	DOSE: 7 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0102950

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 153

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 1-10]			
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Mild
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 4-6+7+13]			
* Lung		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 153

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102951

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Left lung frozen for NTP.

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Mild

* Mammary Gland

Fibroadenoma

Multiple

[Fibroadenoma TGLS = 2,3-11+12]

* Ovary

Atrophy

Moderate

Cyst

Mild

* Pancreas

Acinus

Atrophy

Minimal

Inflammation

Chronic Active, Minimal

* Pituitary Gland

Angiectasis

Mild

Pars Distalis

Hyperplasia

Moderate

[Hyperplasia TGLS = 5-14]

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

* Thymus

Atrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 154

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Calculus Micro Observation Only	
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung			
Note: Left lung frozen for NTP.			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102952

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Mild

* Mammary Gland

Fibroadenoma

Hyperplasia

Mild

[Fibroadenoma TGLS = 1-11]

* Ovary

Atrophy

Moderate

* Pituitary Gland

Pars Distalis

Adenoma

Angiectasis

Moderate

[Adenoma TGLS = 4-8]

* Spleen

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

* Thymus

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Metaplasia

Squamous, Minimal

Polyp Stromal

[Hyperplasia TGLS = 3-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 155

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 366

HISTO: 0102953

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 156

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 525

HISTO: 0102954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Brain	Cranial Nerve	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 2-1+12]		
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
	Note: One optic nerve missing.		
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Infiltration Cellular	Histiocyte, Minimal
* Lung			
	Lymph Node		
	Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 156

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 525

HISTO: 0102954

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-11]

* Nose

* Spleen

* Thymus

Hyperplasia

Schwannoma Malignant

Pigmentation

Atrophy

Minimal

Metastatic (Brain)

Moderate

Moderate

PRIMARY CAUSE OF DEATH

- Brain Cranial Nerve Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 157

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 366

HISTO: 0102955

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 158

TRT#: 2

SEX: Female

DAY ON TEST: 70

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Liver		Inflammation	Minimal
* Lung		Inflammation	Moderate
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

- Lung Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 159

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node	Mesentery
------------	-----------

OBSERVATIONS

* Adren Medulla			
Note: Only a small portion of one adrenal medulla present.			
* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Intestine Small, Jejunum		Leiomyoma	
[Leiomyoma TGLS = 3-13]			
* Kidney		Calculus Micro Observation Only	
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Minimal
		Fatty Change	Focal, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 159

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0102957

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 2-6+12]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-10,11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 160

TRT#: 2

SEX: Female

DAY ON TEST: 683

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Inflammation	Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160	TRT#: 2	SEX: Female	DAY ON TEST: 683
	DOSE: 7 NG TEQ/KG	DISP: Natural Death	HISTO: 0102958

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 161

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 366

HISTO: 0102959

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 162

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 347

HISTO: 0102960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Mild
		Necrosis	Moderate
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 162

TRT#: 2

SEX: Female

DAY ON TEST: 347

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102960

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Necrosis

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 163

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Moderate
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lung			
Note: Left lung frozen for NTP.			
Lymph Node			
Note: Mediastinal is missing.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 163

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 7 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102961

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular Mesentery Note: The fat around the uterus was affected. [Inflammation TGLS = 1-11]		Hyperplasia Inflammation	Plasma Cell, Mild Moderate
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 164

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 534

HISTO: 0102962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 164

TRT#: 2

SEX: Female

DAY ON TEST: 534

DOSE: 7 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102962

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 1-11]		Fibroadenoma	
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Hyperplasia TGLS = 2-10]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 165

TRT#: 2

DOSE: 7 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 366

HISTO: 0102963

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 166

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Inflammation

Minimal

* Lung

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 167

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 168

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Mixed Cell Focus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 169

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Inflammation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 170

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 171

TRT#: 2

SEX: Female

DAY ON TEST: 216

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Thyroid Gland

* Lung

* Pancreas

* Thymus

OBSERVATIONS

* Liver
* Ovary
* Uterus

Endometrium

Inflammation
Atrophy
Hyperplasia
Metaplasia

Minimal
Moderate
Cystic, Mild
Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 172

TRT#: 2

SEX: Female

DAY ON TEST: 216

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Pancreas

* Thymus

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Mild

* Liver

Inflammation

Minimal

Mixed Cell Focus

Multiple

* Ovary

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 173

TRT#: 2

SEX: Female

DAY ON TEST: 216

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung * Pancreas

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 174

TRT#: 2

SEX: Female

DAY ON TEST: 216

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung	* Pancreas	* Thymus	* Thyroid Gland
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Angiectasis	Minimal
	Degeneration	Cystic, Mild
	Hypertrophy	Mild
* Liver	Inflammation	Minimal
	Mixed Cell Focus	
	Necrosis	Minimal
	Pigmentation	Minimal
* Ovary	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 175

TRT#: 2

SEX: Female

DAY ON TEST: 216

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Ovary

* Pancreas

* Thymus

* Thyroid Gland

* Uterus

OBSERVATIONS

* Liver

Inflammation

Mild

Mixed Cell Focus

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 176

TRT#: 2

SEX: Female

DAY ON TEST: 365

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Ovary

* Pancreas

* Thyroid Gland

* Uterus

OBSERVATIONS

* Liver

Basophilic Focus

Inflammation

Mild

Mixed Cell Focus

Multiple

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 177

TRT#: 2

SEX: Female

DAY ON TEST: 364

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Mild
		Necrosis	Mild
Lymph Node	Lumbar	Hyperplasia	Plasma Cell, Moderate
Note: Mediastinal is missing.			
[Hyperplasia TGLS = 2-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Minimal
* Stomach, Glandular		Erosion	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
* Uterus		Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 177

TRT#: 2

SEX: Female

DAY ON TEST: 364

DOSE: 7 NG TEQ/KG

DISP: Natural Death

HISTO: 0102975

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Necrosis

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 178

TRT#: 2

SEX: Female

DAY ON TEST: 365

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Mammary Gland

* Pancreas

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Mild

* Liver

Inflammation

Minimal

Mixed Cell Focus

Multiple

* Ovary

Atrophy

Moderate

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 2

SEX: Female

DAY ON TEST: 365

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Pancreas

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Basophilic Focus

Hypertrophy

Minimal

Inflammation

Minimal

Mixed Cell Focus

Multiple

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Mild

* Mammary Gland

Fibroadenoma

[Fibroadenoma TGLS = 1-6]

* Ovary

Atrophy

Mild

Cyst

Mild

[Cyst TGLS = 2-4]

* Thymus

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180	TRT#: 2	SEX: Female	DAY ON TEST: 365
	DOSE: 7 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0102978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
------------------	--------	------------	-----------------

OBSERVATIONS

* Liver		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
* Ovary		Atrophy	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 2

SEX: Female

DAY ON TEST: 365

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Pancreas

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Minimal

* Liver

Inflammation

Minimal

Mixed Cell Focus

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Ovary

Atrophy

Moderate

* Thymus

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185	TRT#: 2	SEX: Female	DAY ON TEST: 365
	DOSE: 7 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0102983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Pancreas

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Necrosis	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Atrophy	Moderate
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 186

TRT#: 2

SEX: Female

DAY ON TEST: 365

DOSE: 7 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102984

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Minimal

Hypertrophy

Moderate

Vacuolization Cytoplasmic

Minimal

* Liver

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Ovary

Atrophy

Moderate

* Pancreas

Acinus

Atrophy

Minimal

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Moderate

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 201

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Valve	Hyperplasia	Marked
* Kidney	Pelvis	Dilatation	Mild
		Nephropathy	Minimal
[Dilatation TGLS = 8-5]			
* Liver		Basophilic Focus	
	Centrilobular	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 201

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102985

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Pigmentation	Mild
Note: No foci were found on slide 4.		Toxic Hepatopathy	Moderate
[Infiltration Cellular TGLS = 7-3]		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-14+16]			
* Nose	Olfactory Epi	Metaplasia	Mild
Note: There was metaplasia of olfactory epithelium to respiratroy type.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
		Inflammation	Marked
Note: The one ovary was obliterated by inflammation.			
[Inflammation TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2-15]			
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Moderate
	Cervix	Schwannoma Malignant	Metastatic (Vagina)
[Schwannoma Malignant TGLS = 5-11]			
Vagina		Schwannoma Malignant	Metastatic (Skin)
[Schwannoma Malignant TGLS = 6-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 201

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102985

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 202

TRT#: 3

SEX: Female

DAY ON TEST: 366

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102986

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 203

TRT#: 3

SEX: Female

DAY ON TEST: 504

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
Note: No foci found on slide 4.			
		[Infiltration Cellular TGLS = 5-3]	
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Marked
		[Hyperplasia TGLS = 4-13]	
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		[Fibroadenoma TGLS = 1,2-11+12]	
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 203

TRT#: 3

SEX: Female

DAY ON TEST: 504

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102987

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Mild
[Inflammation TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
* Uterus		Metaplasia	Squamous, Marked
PRIMARY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 204

TRT#: 3

SEX: Female

DAY ON TEST: 567

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
* Kidney		Carcinoma	Metastatic (Pancreas)
		Mineralization	Minimal
		Nephropathy	Minimal
[Carcinoma TGLS = 9-5]			
* Liver		Carcinoma	Metastatic (Pancreas)
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Mild
		Necrosis	Moderate
		Pigmentation	Minimal
Note: TGL 3 was located on the capsule of the liver and was attached to adjacent lymph nodes.			
[Carcinoma TGLS = 3,4,5,6,7,8-12+14+15+16+17]			
[Necrosis TGLS = 4-6+7]			
* Lung		Carcinoma	Metastatic (Pancreas)
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Carcinoma TGLS = 12-3+4]			
Lymph Node	Mediastinal	Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 204

TRT#: 3

SEX: Female

DAY ON TEST: 567

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0102988

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 14-19]			
[Hemorrhage TGLS = 14-19]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 13-18]			
* Ovary		Atrophy	Moderate
	Periovarn Tiss	Carcinoma	Metastatic (Pancreas)
* Pancreas		Carcinoma	
		Inflammation	Chronic Active, Mild
[Carcinoma TGLS = 10-13]			
Skeletal Muscle		Carcinoma	Metastatic (Pancreas)
Note: The tumor affected the diaphragm and liver.			
[Carcinoma TGLS = 11-20]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Moderate
		Ulcer	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Carcinoma	Metastatic (Pancreas)
	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Suppurative, Minimal
[Carcinoma TGLS = 2-11]			

PRIMARY CAUSE OF DEATH - Pancreas Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 205

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon	Artery	Inflammation	Chronic Active, Mild
* Intestine Large, Rectum	Artery	Inflammation	Chronic Active, Moderate
* Intestine Small, Duodenum	Artery	Inflammation	Chronic Active, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Cholangiocarcinoma	
		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 205

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102989

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild
[Cholangiocarcinoma TGLS = 2-11]			
[Hyperplasia TGLS = 1,4,5-6+12+13]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 3-4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 6-14]			
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 8-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 7-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 206

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
* Lung	Alveolar Epith	Infiltration Cellular	Histiocyte, Mild
		Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal is missing.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 206

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102990

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-11+13]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tongue		Cyst	Mild
[Cyst TGLS = 2-12]			
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 207

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Minimal
		[Mixed Cell Focus TGLS = 1-6+7+11]	
		[Multinucleated TGLS = 1-6+7+11]	
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 207

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102991

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 4-3+4]

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

* Nose

Oral Mucosa

* Ovary

Gingival

Hyperplasia

Inflammation

Hyperplasia

Atrophy

Cyst

Plasma Cell, Mild

Minimal

Squamous, Mild

Moderate

Mild

[Cyst TGLS = 3-10]

* Pancreas

* Pituitary Gland

Acinus

Pars Distalis

Atrophy

Inflammation

Adenoma

Angiectasis

Minimal

Chronic Active, Minimal

Mild

[Adenoma TGLS = 2-8]

* Spleen

* Thymus

* Thyroid Gland

Tooth

* Uterus

Follicular Cel

Peridont Tiss

Hematopoietic Cell Proliferation

Pigmentation

Atrophy

Hypertrophy

Inflammation

Metaplasia

Mild

Mild

Mild

Mild

Mild

Squamous, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 208

TRT#: 3

SEX: Female

DAY ON TEST: 366

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102992

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 209

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
		Inflammation	Moderate
* Clitoral Gland			
[Inflammation TGLS = 1-10]			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Toxic Hepatopathy	Minimal
[Cholangiocarcinoma TGLS = 3,4-12+13]			
[Cyst TGLS = 5-14]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 7-4]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 209

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102993

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-15]			
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 210

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Calculus Micro Observation Only	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Cholangiocarcinoma TGLS = 4-13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild

Note: Left lung frozen for NTP.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 210

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0102994

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 3-4]

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

* Mammary Gland

[Fibroadenoma TGLS = 1,2-11+12]

* Ovary

* Pancreas

Acinus

* Pituitary Gland

Pars Distalis

* Spleen

* Thymus

* Thyroid Gland

Follicular Cel

Tooth

Peridont Tiss

* Uterus

Hyperplasia
Fibroadenoma

Atrophy
Cyst

Atrophy
Inflammation

Hyperplasia
Hematopoietic Cell Proliferation
Pigmentation

Atrophy
Hypertrophy

Inflammation

Leiomyoma
Metaplasia

Plasma Cell, Mild
Multiple

Moderate
Mild

Minimal
Chronic Active, Minimal

Minimal

Mild
Mild

Mild

Minimal

Squamous, Marked

[Leiomyoma TGLS = 5-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211	TRT#: 3	SEX: Female	DAY ON TEST: 365
	DOSE: 22 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0102995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Pancreas	* Thymus	* Thyroid Gland
------------	----------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Ovary		Atrophy	Moderate
* Uterus		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 212

TRT#: 3

SEX: Female

DAY ON TEST: 365

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary

* Pancreas

* Uterus

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Mild

* Liver

Bile Duct

Hyperplasia

Minimal

Hepatocyte

Hypertrophy

Mild

Inflammation

Mild

Mixed Cell Focus

Multiple

Hepatocyte

Multinucleated

Minimal

Necrosis

Minimal

Pigmentation

Minimal

Toxic Hepatopathy

Minimal

[Mixed Cell Focus TGLS = 2-7]

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Mammary Gland

Fibroadenoma

[Fibroadenoma TGLS = 1-6]

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 213

TRT#: 3

SEX: Female

DAY ON TEST: 365

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary

* Pancreas

* Uterus

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Minimal

Hypertrophy

Mild

* Liver

Clear Cell Focus

Multiple

Inflammation

Mild

Mixed Cell Focus

Multiple

Hepatocyte

Multinucleated

Minimal

Necrosis

Minimal

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Thymus

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 214

TRT#: 3

SEX: Female

DAY ON TEST: 365

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102998

OBSERVATIONS

* Adrenal Cortex

* Liver

* Lung

* Ovary

* Pancreas

* Thymus

* Thyroid Gland

* Uterus

Alveolar Epith

Acinus

Follicular Cel

Endometrium

Hypertrophy
Inflammation
Mixed Cell Focus
Pigmentation
Infiltration Cellular
Metaplasia
Atrophy
Atrophy
Inflammation
Atrophy
Hypertrophy
Hyperplasia
Inflammation
Metaplasia

Mild
Minimal
Multiple
Mild
Histiocyte, Minimal
Bronchiolar, Mild
Moderate
Minimal
Chronic Active, Mild
Mild
Minimal
Cystic, Marked
Suppurative, Mild
Squamous, Mild

Note: The lumen of the uterus was dilated and one horn contained a proteinaceous material and inflammatory cells.

[Hyperplasia TGLS = 1-4]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 215

TRT#: 3

SEX: Female

DAY ON TEST: 365

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0102999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Pancreas

OBSERVATIONS

* Liver

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Ovary

Atrophy

Moderate

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Metaplasia

Squamous, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 216

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

Lymph Node	Mesentery
------------	-----------

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Hyperplasia TGLS = 3,4-6+7+13]			
[Mixed Cell Focus TGLS = 4-6+7+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

Note: Left lung frozen for NTP.
Lymph Node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 216

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103000

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.

* Lymph Node, Mandibular

* Mammary Gland

[Carcinoma TGLS = 2-12]

[Fibroadenoma TGLS = 1-11]

* Ovary

* Pituitary Gland

Pars Distalis

[Adenoma TGLS = 6-8]

* Spleen

* Thymus

* Thyroid Gland

Follicular Cel

Follicular Cel

* Urinary Bladder

* Uterus

Endometrium

Note: TGL 5 was an area of uterus lined by squamous epithelium and filled with keratin.

[Metaplasia TGLS = 5-14]

Hyperplasia

Carcinoma

Fibroadenoma

Plasma Cell, Moderate

Atrophy

Cyst

Adenoma

Angiectasis

Moderate

Mild

Moderate

Hematopoietic Cell Proliferation

Pigmentation

Atrophy

Adenoma

Hypertrophy

Inflammation

Hyperplasia

Metaplasia

Mild

Mild

Mild

Mild

Minimal

Cystic, Minimal

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 217

TRT#: 3

SEX: Female

DAY ON TEST: 572

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
		Necrosis	Mild
* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Fatty Change	Focal, Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		[Infiltration Cellular TGLS = 2-3+4]	
		[Metaplasia TGLS = 2-3+4]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 217

TRT#: 3

SEX: Female

DAY ON TEST: 572

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103001

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 218

TRT#: 3

SEX: Female

DAY ON TEST: 93

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103002

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 219

TRT#: 3

SEX: Female

DAY ON TEST: 611

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 219

TRT#: 3

SEX: Female

DAY ON TEST: 611

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103003

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 7-3+4]

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

* Mammary Gland

Hyperplasia

Fibroadenoma

Hyperplasia

Plasma Cell, Mild

Multiple

Minimal

[Fibroadenoma TGLS = 1,2,3-11+12+13]

* Ovary

Atrophy

Cyst

Moderate

Mild

[Cyst TGLS = 4-10]

* Pituitary Gland

Pars Distalis

Adenoma

Angiectasis

Mild

[Adenoma TGLS = 5-8]

* Spleen

Hematopoietic Cell Proliferation

Pigmentation

Atrophy

Mild

Mild

Mild

* Thymus

* Uterus

Endometrium

Hyperplasia

Metaplasia

Cystic, Minimal

Squamous, Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 220

TRT#: 3

SEX: Female

DAY ON TEST: 565

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild

[Infiltration Cellular TGLS = 2-3+4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 220

TRT#: 3

SEX: Female

DAY ON TEST: 565

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103004

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 221

TRT#: 3

SEX: Female

DAY ON TEST: 92

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

OBSERVATIONS

* Liver

Inflammation

Mild

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222	TRT#: 3	SEX: Female	DAY ON TEST: 92
	DOSE: 22 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0103006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Thymus	* Thyroid Gland
------------------	----------	-----------------

OBSERVATIONS

* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 223

TRT#: 3

SEX: Female

DAY ON TEST: 92

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Eosinophilic Focus

Inflammation

Minimal

Mixed Cell Focus

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 224

TRT#: 3

SEX: Female

DAY ON TEST: 92

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

OBSERVATIONS

* Liver

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Inflammation

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 225

TRT#: 3

SEX: Female

DAY ON TEST: 92

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Alveolar Epith

Hyperplasia

Mild

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 226

TRT#: 3

SEX: Female

DAY ON TEST: 586

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 3-10]			
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hyperplasia	Nodular
		Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 4,5-6+12]			
[Hyperplasia TGLS = 4,5-6+12]			
* Lung		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226

TRT#: 3

SEX: Female

DAY ON TEST: 586

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103010

ORGAN AND ACCOUNTABLE SITE STATUS

<ul style="list-style-type: none"> [Infiltration Cellular TGLS = 6-3+4] Lymph Node Note: Mediastinal is missing. * Lymph Node, Mandibular * Mammary Gland [Fibroadenoma TGLS = 1,2-11+13] * Ovary * Pituitary Gland * Spleen * Thymus * Thyroid Gland * Uterus 	<ul style="list-style-type: none"> Alveolar Epith Pars Distalis Follicular Cel Endometrium Bilateral 	<ul style="list-style-type: none"> Metaplasia Hyperplasia Fibroadenoma Atrophy Hyperplasia Hematopoietic Cell Proliferation Pigmentation Atrophy Hypertrophy Hyperplasia Metaplasia Polyp Stromal 	<ul style="list-style-type: none"> Bronchiolar, Minimal Plasma Cell, Mild Multiple Moderate Mild Mild Minimal Moderate Mild Cystic, Moderate Squamous, Mild
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PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 227

TRT#: 3

SEX: Female

DAY ON TEST: 443

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Hematopoietic Cell Proliferation	Minimal
		Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Infiltration Cellular	Histiocyte, Mild
	Mediastinal	Metaplasia	Bronchiolar, Minimal
Lymph Node		Ectasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 227

TRT#: 3

SEX: Female

DAY ON TEST: 443

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103011

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 228

TRT#: 3

SEX: Female

DAY ON TEST: 217

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103012

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 229

TRT#: 3

DOSE: 22 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 93

HISTO: 0103013

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 230

TRT#: 3

SEX: Female

DAY ON TEST: 426

DOSE: 22 NG TEQ/KG

DISP: Natural Death

HISTO: 0103014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Necrosis	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Cholangiofibrosis	Minimal
	Centrilobular	Degeneration	Mild
	Centrilobular	Fibrosis	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Carcinoma	Metastatic (Mammary Gland)
[Carcinoma TGLS = 3-13]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 230

TRT#: 3

SEX: Female

DAY ON TEST: 426

DOSE: 22 NG TEQ/KG

DISP: Natural Death

HISTO: 0103014

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-11]

[Fibroadenoma TGLS = 2-12]

Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 231

TRT#: 3

DOSE: 22 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 93

HISTO: 0103015

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 232

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
		Angiectasis	Minimal
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Kidney		Calculus Micro Observation Only	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 232

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103016

ORGAN AND ACCOUNTABLE SITE STATUS

		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild
	[Cholangiocarcinoma TGLS = 6-15]		
	[Hyperplasia TGLS = 3,4,7-6,7+13]		
	[Mixed Cell Focus TGLS = 3,4,5,7-6+7+13+14]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLS = 10-3+4]		
Lymph Node			
	Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
		Fibroadenoma	Multiple
* Mammary Gland			
	[Fibroadenoma TGLS = 1,2-11+12]		
* Ovary		Atrophy	Moderate
		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 8-10]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		Cytoplasmic Alteration	Minimal
	[Adenoma TGLS = 9-8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 233

TRT#: 3

SEX: Female

DAY ON TEST: 572

DOSE: 22 NG TEQ/KG

DISP: Natural Death

HISTO: 0103017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

Lymph Node	Mesentery	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Note: One clitoral gland missing.			
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Calculus Micro Observation Only	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung		Necrosis	Moderate
[Necrosis TGLS = 3-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 233

TRT#: 3

SEX: Female

DAY ON TEST: 572

DOSE: 22 NG TEQ/KG

DISP: Natural Death

HISTO: 0103017

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Cyst	Moderate
		Inflammation	Chronic Active, Marked
[Cyst TGLS = 1-10]			
[Inflammation TGLS = 2-10]			
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Moderate
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Ovary Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Lung Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 234

TRT#: 3

SEX: Female

DAY ON TEST: 471

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 2-10]			
* Esophagus	Muscularis	Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 234

TRT#: 3

SEX: Female

DAY ON TEST: 471

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103018

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 1-11]		Fibroadenoma	
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Marked
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 235

TRT#: 3

SEX: Female

DAY ON TEST: 399

DOSE: 22 NG TEQ/KG

DISP: Natural Death

HISTO: 0103019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Liver	Centrilobular	Degeneration	Mild
		Inflammation	Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
		Hemorrhage	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 236

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Hemorrhage	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 1-3+4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 236

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103020

ORGAN AND ACCOUNTABLE SITE STATUS

[Metaplasia TGLS = 1-3+4]			
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hemorrhage	Minimal
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 4-12]			
Mesentery	Artery	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-11]			
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
Note: Inflammatory exudate was in the meatuses.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Cyst	Mild
* Pancreas	Artery	Inflammation	Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 237

TRT#: 3

DOSE: 22 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 217

HISTO: 0103021

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 238

TRT#: 3

SEX: Female

DAY ON TEST: 567

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hyperplasia	Mild
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Inflammation	Granulomatous, Moderate
	[Fibroadenoma TGLS = 1,2-11+12]		
* Nose	Squam Epithel	Hyperplasia	Minimal
		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 238

TRT#: 3

SEX: Female

DAY ON TEST: 567

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103022

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 239

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Mesentery
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla missing.			
* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Note: One clitoral gland missing.			
[Cyst TGLS = 3-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Toxic Hepatopathy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 239

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103023

ORGAN AND ACCOUNTABLE SITE STATUS

[Cholangiocarcinoma TGLS = 2-12] [Mixed Cell Focus TGLS = 1-11]			
* Lung		Infiltration Cellular Inflammation	Histiocyte, Mild Minimal
Lymph Node	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular	Mediastinal	Ectasia	Minimal
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hemorrhage	Mild
[Fibroadenoma TGLS = 4-13]		Fibroadenoma	
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 240

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Moderate
Harderian Gland		Inflammation	Minimal
* Intestine Small, Jejunum		Leiomyoma	
[Leiomyoma TGLS = 5-11]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 240

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103024

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLS = 2-13]

* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

[Infiltration Cellular TGLS = 4-3+4]

Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hemorrhage	Mild
		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Mild
		Polyp Stromal	

[Polyp Stromal TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 241

TRT#: 3

DOSE: 22 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 474

HISTO: 0103025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing,			
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Degeneration	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal

[Hyperplasia TGLS = 2,3-6+12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 241

TRT#: 3

SEX: Female

DAY ON TEST: 474

DOSE: 22 NG TEQ/KG

DISP: Natural Death

HISTO: 0103025

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal is missing			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 242

TRT#: 3

SEX: Female

DAY ON TEST: 366

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103026

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 243

TRT#: 3

SEX: Female

DAY ON TEST: 558

DOSE: 22 NG TEQ/KG

DISP: Natural Death

HISTO: 0103027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
		Hemorrhage	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Inflammation	Chronic Active, Moderate
[Hyperplasia TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

- Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 244

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric
Mesentery	* Nose	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Marked
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Mild
	[Nephropathy TGLS = 3-5]		
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Note: Left lung frozen for NTP.		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 2-12]		
* Pancreas		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 244

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103028

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Fibrosarcoma	
[Fibrosarcoma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 245

TRT#: 3

SEX: Female

DAY ON TEST: 659

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
		Fatty Change	Focal, Mild
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 245

TRT#: 3

SEX: Female

DAY ON TEST: 659

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103029

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 3-6+7]			
* Lung	Alveolar Epith	Infiltration Cellular Metaplasia	Histiocyte, Minimal Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Mild
[Fibroadenoma TGLS = 1,2-11+12]			
* Pituitary Gland	Pars Distalis	Angiectasis Hyperplasia	Mild Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 3

SEX: Female

DAY ON TEST: 365

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Pancreas

OBSERVATIONS

* Adrenal Cortex

Angiectasis Minimal
Hypertrophy Mild
Vacuolization Cytoplasmic Minimal

* Liver

Hepatocyte

Eosinophilic Focus
Hypertrophy Minimal
Inflammation Minimal
Mixed Cell Focus Multiple
Pigmentation Minimal
Toxic Hepatopathy Minimal

* Lung

Infiltration Cellular Histiocyte, Minimal

* Ovary

Atrophy Moderate

* Thymus

Atrophy Mild

* Thyroid Gland

Follicular Cel

Hypertrophy Minimal

* Uterus

Endometrium

Hyperplasia Cystic, Marked
Inflammation Suppurative, Minimal

[Hyperplasia TGLS = 1-4]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247	TRT#: 3	SEX: Female	DAY ON TEST: 365
	DOSE: 22 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0103031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Pancreas	* Thyroid Gland
------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Liver		Inflammation	Mild
		Mixed Cell Focus	
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Ovary		Atrophy	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 248

TRT#: 3

DOSE: 22 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 217

HISTO: 0103032

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 3

SEX: Female

DAY ON TEST: 365

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Pancreas

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Minimal

Degeneration

Cystic, Mild

Hyperplasia

Mild

* Liver

Inflammation

Minimal

Mixed Cell Focus

Hepatocyte

Multinucleated

Minimal

Necrosis

Minimal

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Ovary

Atrophy

Moderate

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 250

TRT#: 3

SEX: Female

DAY ON TEST: 217

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103034

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 251

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 3,4-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 251

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103035

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Left lung frozen for NTP.

[Infiltration Cellular TGLS = 5-4]

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Hyperplasia

Lymphoid, Mild

* Mammary Gland

Fibroadenoma

[Fibroadenoma TGLS = 1-11]

* Ovary

Atrophy

Moderate

* Pituitary Gland

Pars Distalis

Adenoma

Angiectasis

Moderate

[Adenoma TGLS = 6-8]

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Minimal

* Thymus

Atrophy

Mild

* Thyroid Gland

C Cell

Adenoma

Follicular Cel

Hypertrophy

Mild

* Uterus

Endometrium

Hyperplasia

Polyp Stromal

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 2 = NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 252

TRT#: 3

SEX: Female

DAY ON TEST: 455

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Toxic Hepatopathy	Minimal

[Hypertrophy TGLS = 2-6+7]

[Mixed Cell Focus TGLS = 3-6+7+12]

Lymph Node

Note: Mediastinal is missing.

* Mammary Gland

Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 252

TRT#: 3

SEX: Female

DAY ON TEST: 455

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103036

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]		Hyperplasia	Mild
* Ovary		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 253

TRT#: 3

SEX: Female

DAY ON TEST: 93

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103037

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 254

TRT#: 3

SEX: Female

DAY ON TEST: 366

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103038

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 255

TRT#: 3

DOSE: 22 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0103039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Cyst	Mild
		Fatty Change	Focal, Mild
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Hyperplasia TGLS = 4,5,6,7-6+7+13+14]			
[Mixed Cell Focus TGLS = 7-7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255	TRT#: 3	SEX: Female	DAY ON TEST: 726
	DOSE: 22 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0103039

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 1-11]		Fibroadenoma	
* Ovary [Cyst TGLS = 3-10] [Inflammation TGLS = 2-12]		Atrophy Cyst Inflammation	Moderate Moderate Marked
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia Inflammation Metaplasia	Cystic, Minimal Suppurative, Minimal Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 256

TRT#: 3

SEX: Female

DAY ON TEST: 651

DOSE: 22 NG TEQ/KG

DISP: Natural Death

HISTO: 0103040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Inflammation	Suppurative, Mild
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal

[Degeneration TGLS = 5-7]

[Eosinophilic Focus TGLS = 3-13]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 256

TRT#: 3

SEX: Female

DAY ON TEST: 651

DOSE: 22 NG TEQ/KG

DISP: Natural Death

HISTO: 0103040

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-14]

* Lung	Alveolar Epith	Infiltration Cellular Metaplasia	Histiocyte, Minimal Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy Cyst	Moderate Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

Note: The uterine horns were markedly dilated and contained erythrocytes and a proteinaceous material.

[Hyperplasia TGLS = 2-12]

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 257

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

Lymph Node	* Parathyroid Gland		
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
	Pelvis	Inflammation	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal

[Eosinophilic Focus TGLS = 1-7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 257

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103041

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Urinary Bladder		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Metaplasia	Squamous, Minimal
[Hyperplasia TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 258

TRT#: 3

SEX: Female

DAY ON TEST: 63

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Angiectasis	Minimal
* Bone Marrow	Hyperplasia	Mild
* Clitoral Gland	Inflammation	Minimal
* Kidney	Mineralization	Minimal
	Nephropathy	Minimal
* Spleen	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 259

TRT#: 3

SEX: Female

DAY ON TEST: 366

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103043

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 260

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 2-10]			
Harderian Gland		Inflammation	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Minimal
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 260

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103044

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Hyperplasia TGLS = 3-12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 4-4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
Note: Inflammatory exudate was in the meatuses.			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261

TRT#: 3

SEX: Female

DAY ON TEST: 216

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Ovary

* Pancreas

OBSERVATIONS

* Liver

Inflammation

Mild

Mixed Cell Focus

Necrosis

Mild

Pigmentation

Mild

* Thymus

Atrophy

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Decidual Reaction

[Decidual Reaction TGLS = 1-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 262

TRT#: 3

SEX: Female

DAY ON TEST: 216

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Pancreas

* Thymus

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Pigmentation

Minimal

* Ovary

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 263

TRT#: 3

SEX: Female

DAY ON TEST: 216

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Uterus

* Lung

* Ovary

* Pancreas

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy
Inflammation
Mixed Cell Focus
Pigmentation

Minimal
Mild
Multiple
Minimal

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 264

TRT#: 3

SEX: Female

DAY ON TEST: 216

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Pancreas

OBSERVATIONS

* Liver

Inflammation

Minimal

Pigmentation

Minimal

* Ovary

Atrophy

Moderate

* Stomach, Forestomach

Serosa

Inflammation

Chronic Active, Moderate

Note: A necrotic piece of liver was adhered to the serosa of the stomach.

[Inflammation TGLS = 1-2+6]

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 265

TRT#: 3

SEX: Female

DAY ON TEST: 216

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Pancreas

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Minimal

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Ovary

Atrophy

Moderate

* Thymus

Atrophy

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 266

TRT#: 3

SEX: Female

DAY ON TEST: 92

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Thymus

OBSERVATIONS

* Liver

Inflammation

Mild

Necrosis

Mild

Pigmentation

Minimal

Skeletal Muscle

Hemorrhage

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 267

TRT#: 3

SEX: Female

DAY ON TEST: 92

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Inflammation

Minimal

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 268

TRT#: 3

SEX: Female

DAY ON TEST: 92

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Inflammation

Mild

Pigmentation

Mild

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 269

TRT#: 3

SEX: Female

DAY ON TEST: 92

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 270

TRT#: 3

SEX: Female

DAY ON TEST: 92

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

OBSERVATIONS

* Liver

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 271

TRT#: 3

SEX: Female

DAY ON TEST: 216

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Ovary

* Pancreas

* Thymus

* Thyroid Gland

* Uterus

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 272

TRT#: 3

SEX: Female

DAY ON TEST: 216

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Pancreas

* Thymus

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Minimal

* Liver

Inflammation

Minimal

Pigmentation

Minimal

* Ovary

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 273

TRT#: 3

SEX: Female

DAY ON TEST: 216

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Pancreas

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Minimal

* Liver

Inflammation

Minimal

Pigmentation

Minimal

* Ovary

Atrophy

Moderate

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 274

TRT#: 3

SEX: Female

DAY ON TEST: 216

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Pancreas

* Thymus

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Minimal

* Liver

Inflammation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Ovary

Atrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[Hyperplasia TGLS = 1-4]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 3

SEX: Female

DAY ON TEST: 216

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Pancreas

* Thymus

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Minimal

* Liver

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Ovary

Atrophy

Moderate

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 276

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
	Duct	Cyst	Moderate
		Inflammation	Mild
Note: The carcinoma was of squamous type. [Cyst TGLS = 1-11]			
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Inflammation	Suppurative, Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 276

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103060

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolar Epith	Mixed Cell Focus Pigmentation Infiltration Cellular Metaplasia Metaplasia	Multiple Minimal Histiocyte, Mild Bronchiolar, Mild Squamous, Minimal
Note: Left lung frozen for NTP.			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose	Respirat Epith	Hyperplasia Inflammation	Minimal Minimal
* Ovary		Atrophy Cyst	Moderate Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Mild

[Polyp Stromal TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 277

TRT#: 3

SEX: Female

DAY ON TEST: 608

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Mesentery	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Brain		Carcinoma	Metastatic (Oral Mucosa)
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
Harderian Gland		Carcinoma	Metastatic (Oral Mucosa)
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
	Bile Duct	Fibrosis	Minimal
	Centrilobular	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 277

TRT#: 3

SEX: Female

DAY ON TEST: 608

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103061

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 4-3+4]		Metaplasia	Squamous, Mild
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 6-14]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
[Hyperplasia TGLS = 5-6]			
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	
		Hyperplasia	Minimal
[Cyst TGLS = 3-13]			
[Fibroadenoma TGLS = 1-11]			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
Note: Inflammatory exudate was in the meatuses.			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-1+12]			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 278

TRT#: 3

SEX: Female

DAY ON TEST: 639

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Necrosis	Mild
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 278

TRT#: 3

SEX: Female

DAY ON TEST: 639

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103062

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Pigmentation	Minimal
Tooth	Peridont Tiss	Atrophy	Marked
* Uterus		Inflammation	Minimal
		Polyp Stromal	
		Schwannoma Malignant	Metastatic (Vagina)
	[Polyp Stromal TGLS = 1-11]		
	[Schwannoma Malignant TGLS = 2-12]		
Vagina		Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 3-13]		

PRIMARY CAUSE OF DEATH - Vagina Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 279

TRT#: 3

SEX: Female

DAY ON TEST: 443

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla missing.			
* Adrenal Cortex		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Calculus Micro Observation Only	
	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hematopoietic Cell Proliferation	Minimal
		Hypertrophy	Minimal
		Inflammation	Minimal
[Eosinophilic Focus TGLS = 3-7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 279

TRT#: 3

SEX: Female

DAY ON TEST: 443

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103063

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 280

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
[Mixed Cell Focus TGLS = 3-7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
[Metaplasia TGLS = 2-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 280

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103064

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
		Cyst	Marked
[Cyst TGLS = 1-11]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 281

TRT#: 3

DOSE: 22 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 217

HISTO: 0103065

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 282

TRT#: 3

SEX: Female

DAY ON TEST: 632

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Brain		Hydrocephalus	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 282

TRT#: 3

SEX: Female

DAY ON TEST: 632

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103066

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-11]

* Nose		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Pancreas		Edema	Mild
[Edema TGLS = 3-6]			
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Moderate
[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia Metaplasia	Cystic, Mild Squamous, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 283

TRT#: 3

DOSE: 22 NG TEQ/KG

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 93

HISTO: 0103067

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 284

TRT#: 3

SEX: Female

DAY ON TEST: 659

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 3-6+7+12]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 284

TRT#: 3

SEX: Female

DAY ON TEST: 659

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103068

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.

* Lymph Node, Mandibular

* Mammary Gland

Hyperplasia

Fibroadenoma

Hyperplasia

Plasma Cell, Mild

[Fibroadenoma TGLS = 1-11]

* Nose

* Pituitary Gland

* Spleen

Pars Distalis

Inflammation

Hyperplasia

Hematopoietic Cell Proliferation

Pigmentation

Atrophy

Moderate

Marked

Mild

Minimal

Moderate

* Thymus

* Thyroid Gland

C Cell

Follicular Cel

Hyperplasia

Hypertrophy

Mild

Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 285

TRT#: 3

SEX: Female

DAY ON TEST: 408

DOSE: 22 NG TEQ/KG

DISP: Natural Death

HISTO: 0103069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Pheochromocytoma Malignant	Cystic, Minimal Moderate
* Adrenal Medulla			
[Pheochromocytoma Malignant TGLS = 3-8]			
* Clitoral Gland	Duct	Cyst Inflammation	Mild Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy Eosinophilic Focus Fatty Change	Minimal Multiple Diffuse, Minimal
* Liver	Centrilobular	Fibrosis Inflammation Mixed Cell Focus	Minimal Mild Multiple
	Hepatocyte	Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Mild Minimal Minimal Minimal
[Eosinophilic Focus TGLS = 1-6+7]			
[Mixed Cell Focus TGLS = 1-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285	TRT#: 3 DOSE: 22 NG TEQ/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 408 HISTO: 0103069
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolar Epith	Infiltration Cellular Metaplasia	Histiocyte, Mild Bronchiolar, Minimal
Lymph Node Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Mesentery Note: Mesentery, Artery is missing. [Necrosis TGLS = 2-11]		Necrosis	Moderate
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 286

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
		Hypertrophy	Moderate
* Clitoral Gland		Inflammation	Minimal
* Esophagus	Muscularis	Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Hyperplasia TGLS = 2,3,4,5,6-6+7+12+13+14+15]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 286	TRT#: 3	SEX: Female	DAY ON TEST: 727
	DOSE: 22 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0103070

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Left lung frozen for NTP.
Lymph Node
Note: Mediastinal is missing.

* Mammary Gland [Fibroadenoma TGLS = 1-11]		Fibroadenoma	
* Nose		Inflammation	Mild
* Ovary [Cyst TGLS = 7-10]		Cyst	Mild
* Pituitary Gland		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 287

TRT#: 3

SEX: Female

DAY ON TEST: 700

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla missing.			
* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
[Eosinophilic Focus TGLS = 5-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 3-3+4]			
Lymph Node			
Note: Mediastinal is missing.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 287

TRT#: 3

SEX: Female

DAY ON TEST: 700

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103071

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 1-11]		Fibroadenoma	
* Nose		Inflammation	Minimal
* Ovary [Cyst TGLS = 2-10]		Atrophy Cyst	Moderate Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell Follicular Cel	Hyperplasia Hypertrophy	Minimal Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Inflammation Metaplasia	Chronic Active, Moderate Squamous, Moderate

Note: One horn of uterus was dilated, lined with squamous epithelium, and contained keratin and inflammatory cells.

[Metaplasia TGLS = 4-10]

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 288

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla missing.			
* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Inflammation	Suppurative, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 6-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288	TRT#: 3	SEX: Female	DAY ON TEST: 726
	DOSE: 22 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0103072

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 3 was a fibroadenoma with malignant areas and therefore classified as a carcinoma.

[Carcinoma TGLS = 3-12]

[Fibroadenoma TGLS = 1,4-11+13]

* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Mild
	[Adenoma TGLS = 2-8]		
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell C Cell	Carcinoma Hyperplasia	Minimal
	[Carcinoma TGLS = 5-8]		
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 289

TRT#: 3

SEX: Female

DAY ON TEST: 93

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103073

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 290

TRT#: 3

SEX: Female

DAY ON TEST: 727

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 2-11]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290	TRT#: 3 DOSE: 22 NG TEQ/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0103074
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ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Inflammation Metaplasia	Minimal Bronchiolar, Moderate
Note: Left lung frozen for NTP. [Infiltration Cellular TGLS = 1-4]			
Lymph Node Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 291

TRT#: 3

SEX: Female

DAY ON TEST: 523

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 3-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	
[Cyst TGLS = 2-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 291

TRT#: 3

SEX: Female

DAY ON TEST: 523

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103075

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]

* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Marked

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 292

TRT#: 3

SEX: Female

DAY ON TEST: 707

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric
Mesentery	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
Harderian Gland		Inflammation	Minimal
* Kidney		Calculus Micro Observation Only	
	Transit Epithe	Hyperplasia	Mild
* Liver		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	[Infiltration Cellular TGLS = 3-3+4]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2-11+12]		
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Note: Inflammatory exudate was in the meatuses.	
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 292

TRT#: 3

SEX: Female

DAY ON TEST: 707

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103076

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 293

TRT#: 3

SEX: Female

DAY ON TEST: 548

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	Multiple
		Hyperplasia	Mild
[Carcinoma TGLS = 1,2-11+12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 293

TRT#: 3

SEX: Female

DAY ON TEST: 548

DOSE: 22 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103077

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Forestomach		Hyperplasia Inflammation	Squamous, Mild Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 294

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 1-11]			
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 294

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103078

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Toxic Hepatopathy Infiltration Cellular Metaplasia	Minimal Histiocyte, Minimal Bronchiolar, Minimal
Lymph Node	Alveolar Epith		
Note: Mediastinal is missing.			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Atrophy Lipomatosis	Mild Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 295

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Pheochromocytoma Benign	Cystic, Mild Moderate
* Adrenal Medulla			
* Clitoral Gland	Duct	Cyst Inflammation	Mild Minimal
* Kidney		Calculus Micro Observation Only Mineralization Nephropathy	Minimal Minimal
* Liver		Fatty Change Fatty Change Hematopoietic Cell Proliferation	Diffuse, Minimal Focal, Mild Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia Inflammation Mixed Cell Focus	Minimal Minimal Multiple
	[Mixed Cell Focus TGLS = 5-15]		
* Lung	Alveolar Epith	Infiltration Cellular Metaplasia	Histiocyte, Minimal Bronchiolar, Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 295

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103079

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2,3-11+12+13]		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 296

TRT#: 3

DOSE: 22 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0103080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Mild
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	Lymph Node		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 296

TRT#: 3

SEX: Female

DAY ON TEST: 726

DOSE: 22 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103080

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Minimal

* Nose

Inflammation

Moderate

Oral Mucosa

Gingival

Squamous Cell Carcinoma

[Squamous Cell Carcinoma TGLS = 3-1]

* Ovary

Atrophy

Moderate

* Pancreas

Acinus

Adenoma

[Adenoma TGLS = 1-11]

* Spleen

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Mild

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 2 = NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 297

TRT#: 3

SEX: Female

DAY ON TEST: 217

DOSE: 22 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103081

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 298

TRT#: 3

DOSE: 22 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 703

HISTO: 0103082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Fibroma	
[Fibroma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 298

TRT#: 3

SEX: Female

DAY ON TEST: 703

DOSE: 22 NG TEQ/KG

DISP: Natural Death

HISTO: 0103082

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Skin Fibroma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiofibrosis	Minimal
	Bile Duct	Cyst	Minimal
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103083

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hyperplasia Hypertrophy Inflammation Mixed Cell Focus	Nodular Moderate Mild Multiple
	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Mild Mild Moderate
	[Hyperplasia TGLS = 2,3,4,5-6+7+11+12+13]		
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	Note: Left lung frozen for NTP. [Infiltration Cellular TGLS = 1-4]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 710

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Mesentery	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Cholangiocarcinoma	
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 710

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103084

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Cholangiocarcinoma TGLS = 3-12]			
[Hyperplasia TGLS = 2-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 4-3]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-1]			
* Ovary		Atrophy	Moderate
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus		Metaplasia	Squamous, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 303

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0103085

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Hyperplasia TGLS = 1,2,3-6+7+11+13]			
[Mixed Cell Focus TGLS = 2-6+7+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland		Vacuolization Cytoplasmic	Minimal
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 4-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Heart	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103086

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 2,3,5-6+7+12+13]			
[Mixed Cell Focus TGLS = 4-13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Fibroma	
[Fibroma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	- Skin	Fibroma	
CONTRIBUTORY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla missing.			
* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Esophagus	Muscularis	Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 305	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 72 NG TEQ/KG	DISP: Terminal Sacrifice	HISTO: 0103087

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hypertrophy Inflammation Mixed Cell Focus	Mild Minimal Multiple
	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Minimal Mild Mild
	[Hyperplasia TGLS = 3,4,5,6,7-6+7+12+13+14+15]		
* Lung	Alveolar Epith	Infiltration Cellular Metaplasia Metaplasia	Histiocyte, Minimal Bronchiolar, Mild Squamous, Mild
	Note: Left lung frozen for NTP. [Infiltration Cellular TGLS = 2-4]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy Cyst	Moderate Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland		Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 365

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary * Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Liver		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
	[Mixed Cell Focus TGLS = 2-7]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-6]		
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 365

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary * Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Liver	Centrilobular	Fibrosis	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 1-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 365

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

OBSERVATIONS

* Adrenal Cortex

Degeneration

Cystic, Minimal

Hypertrophy

Mild

* Liver

Fatty Change

Diffuse, Minimal

Hepatodiaphragmatic Nodule

Hepatocyte

Hypertrophy

Minimal

Inflammation

Mild

Mixed Cell Focus

Multiple

Hepatocyte

Multinucleated

Mild

Necrosis

Minimal

Pigmentation

Mild

Toxic Hepatopathy

Minimal

[Hepatodiaphragmatic Nodule TGLS = 1-6]

[Mixed Cell Focus TGLS = 2-7]

* Ovary

Atrophy

Moderate

* Pancreas

Acinus

Vacuolization Cytoplasmic

Minimal

* Thymus

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 78

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Brain		Hemorrhage	Mild
		Inflammation	Minimal
		Necrosis	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
* Esophagus	Muscularis	Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Minimal
		Necrosis	Minimal
		Pigmentation	Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

- Brain Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 365

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103092

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Mild

Degeneration

Cystic, Mild

Hyperplasia

Mild

Hypertrophy

Moderate

* Liver

Basophilic Focus

Hepatocyte

Hypertrophy

Minimal

Inflammation

Mild

Mixed Cell Focus

Multiple

Hepatocyte

Multinucleated

Minimal

Pigmentation

Mild

Toxic Hepatopathy

Minimal

[Mixed Cell Focus TGLS = 1-6]

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Ovary

Atrophy

Moderate

* Pancreas

Acinus

Atrophy

Minimal

Inflammation

Chronic Active, Minimal

Acinus

Vacuolization Cytoplasmic

Minimal

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Marked
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103093

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Mild Minimal Mild Mild
	[Cholangiocarcinoma TGLS = 3-14] [Hyperplasia TGLS = 4,10-6+7+14+15]		
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular	Multiple Histiocyte, Mild
	Alveolar Epith	Metaplasia Metaplasia	Bronchiolar, Moderate Squamous, Moderate
	[Cystic Keratinizing Epithelioma TGLS = 6,7,8,9-3+4+12+13] [Infiltration Cellular TGLS = 5-3+4+12+13]		
Lymph Node			
	Note: Mediastinal is missing.		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell Follicular Cel	Adenoma Hypertrophy	Mild
* Uterus		Fibrosarcoma	
	Endometrium	Hyperplasia Inflammation Polyp Stromal	Cystic, Moderate Suppurative, Mild
	[Fibrosarcoma TGLS = 2-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 480

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland	* Thyroid Gland
---------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Liver	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
		Infiltration Cellular	Histiocyte, Mild
* Lung	Gingival	Hyperplasia	Squamous, Minimal
Oral Mucosa		Atrophy	Moderate
* Ovary		Hematopoietic Cell Proliferation	Minimal
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 480

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103094

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH

- Uterus Endometrium Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 594

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla missing.			
* Adrenal Cortex		Angiectasis	Moderate
		Degeneration	Cystic, Minimal
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Moderate
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Minimal
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 313

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 594

HISTO: 0103095

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Metaplasia	Histiocyte, Minimal Bronchiolar, Minimal Squamous, Mild
	Alveolar Epith		
	[Cystic Keratinizing Epithelioma TGLS = 2-4]		
* Nose	Olfactory Epi Respirat Epith	Degeneration Hyperplasia Inflammation	Mild Mild Mild
	Note: Inflammatory exudate was in the meatuses.		
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 1-1]		
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland		Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Erosion Hyperplasia	Mild Squamous, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia Metaplasia	Cystic, Mild Squamous, Mild

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 537

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild

[Fatty Change TGLS = 2-6+7+11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 537

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103096

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-6+7+11]

* Lung	Alveolar Epith	Infiltration Cellular Metaplasia	Histiocyte, Mild Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 4-6]			
Mesentery	Artery	Inflammation	Chronic Active, Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Moderate
[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 366

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103097

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

[Hyperplasia TGLS = 1,3-6+7-12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103098

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia	Histiocyte, Minimal Bronchiolar, Mild
	Alveolar Epith		
Note: Left lung frozen for NTP. [Cystic Keratinizing Epithelioma TGLS = 7-11] [Infiltration Cellular TGLS = 2-4+11]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-13]			
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Ovary		Atrophy	Marked
* Pancreas	Artery Acinus	Inflammation Vacuolization Cytoplasmic	Chronic Active, Mild Mild
* Pituitary Gland	Pars Distalis	Angiectasis Hyperplasia	Mild Moderate
[Hyperplasia TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia Inflammation Polyp Stromal	Cystic, Moderate Suppurative, Moderate
[Polyp Stromal TGLS = 5-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 656

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla missing.			
* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 6-5]			
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Mild
[Fatty Change TGLS = 7-6+7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 656

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103099

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
Lymph Node	Deep Cervical	Congestion	Mild
	Mediastinal	Congestion	Mild
	Deep Cervical	Ectasia	Minimal
	Mediastinal	Ectasia	Mild
	[Congestion TGLS = 8-13]		
	[Congestion TGLS = 9-14]		
	[Ectasia TGLS = 9-14]		
	[Ectasia TGLS = 8-13]		
* Lymph Node, Mesenteric		Hemorrhage	Mild
	[Hemorrhage TGLS = 11-6]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 2-11]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 4-12]		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 619

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Cystic, Moderate Moderate
[Degeneration TGLS = 10-8]			
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Epicardium	Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Cholangioma	
		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 318

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 619

HISTO: 0103100

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 3,4-6+15+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 7,8-3+14]			
Lymph Node	Pancreatic	Carcinoma	Metastatic (Stomach, Glandular)
	Mediastinal	Ectasia	Minimal
	Mediastinal	Hemorrhage	Mild
[Carcinoma TGLS = 2-11]			
[Hemorrhage TGLS = 5-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-5]			
* Stomach, Glandular		Neuroendocrine Tumor, Malignant	
[Neuroendocrine Tumor, Malignant TGLS = 9-13]			
* Thymus		Atrophy	Marked
Note: Thymus in slide 13.			
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
* Uterus		Hemorrhage	Marked
	Endometrium	Hyperplasia	Cystic, Marked
		Metaplasia	Squamous, Moderate
[Hemorrhage TGLS = 6-12]			

PRIMARY CAUSE OF DEATH

- Uterus Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 319

TRT#: 4

SEX: Female

DAY ON TEST: 678

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Necrosis	Moderate
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Hemorrhage	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
	Centrilobular	Degeneration	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 319	TRT#: 4	SEX: Female	DAY ON TEST: 678
	DOSE: 72 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103101

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 1-12]		
	[Hyperplasia TGLS = 2,3,4,5-6+7+11+12+13+14+15]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 541

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hemorrhage	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 541

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103102

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 3,4,5,6,7,8-6+7+13+14+15]			
* Lung	Alveolar Epith	Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
Note: Inflammatory exudate was in the meatuses.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
		Cyst	Mild
[Cyst TGLS = 2-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-11]			

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Mild

Necrosis

Minimal

Pigmentation

Minimal

Toxic Hepatopathy

Minimal

* Lung

Inflammation

Minimal

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thyroid Gland

OBSERVATIONS

* Liver

Inflammation

Mild

Mixed Cell Focus

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Thymus

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Mild

Pigmentation

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Thymus

OBSERVATIONS

* Liver

Eosinophilic Focus

Inflammation

Mild

Pigmentation

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 662

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Brain		Hemorrhage	Minimal
Eye	Cornea	Inflammation	Moderate
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Cholangiocarcinoma	
		Cholangiofibrosis	Minimal
	Bile Duct	Cyst	Mild
	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 662

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103108

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Moderate Moderate Moderate
	[Cholangiocarcinoma TGLS = 1-12] [Hyperplasia TGLS = 2,3-14]		
* Lung	Alveolar Epith	Infiltration Cellular Metaplasia	Histiocyte, Minimal Bronchiolar, Minimal
Lymph Node	Pancreatic	Hemorrhage Hyperplasia	Mild Lymphoid, Moderate
	Note: Mediastinal is missing. [Hemorrhage TGLS = 6-15] [Hyperplasia TGLS = 6-15]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose		Inflammation	Moderate
	Note: Inflammatory exudate was in the meatuses.		
* Ovary		Atrophy Cyst Inflammation	Marked Moderate Chronic Active, Marked
	[Cyst TGLS = 4-11] [Inflammation TGLS = 5-11]		
* Pancreas	Artery Acinus	Inflammation Vacuolization Cytoplasmic	Chronic Active, Marked Minimal
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Marked
	[Inflammation TGLS = 7-1]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 662

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103108

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 604

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hyperplasia	Moderate
		Inflammation	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Brain		Inflammation	Moderate
		Necrosis	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 327

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 604

HISTO: 0103109

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Moderate
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
	[Hyperplasia TGLS = 10,11-13+17]		
	[Inflammation TGLS = 1,2-6+7]		
* Lung		Inflammation	Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Inflammation TGLS = 4,5,6-3+14+15+16]		
Lymph Node	Deep Cervical	Hemorrhage	Mild
	Mediastinal	Hemorrhage	Mild
	Deep Cervical	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	[Hemorrhage TGLS = 3-12]		
	[Hemorrhage TGLS = 8-11]		
	[Hyperplasia TGLS = 3-12]		
	[Hyperplasia TGLS = 8-11]		
* Lymph Node, Mandibular		Hyperplasia	Histiocytic, Mild
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Ovary		Atrophy	Moderate
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 327	TRT#: 4	SEX: Female	DAY ON TEST: 604
	DOSE: 72 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103109

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Marked
[Inflammation TGLS = 9-1]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Moderate
[Inflammation TGLS = 7-10]			

PRIMARY CAUSE OF DEATH	- Brain Necrosis
CONTRIBUTORY CAUSE OF DEATH	- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 686

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 8-5]			
* Liver		Cholangiocarcinoma	Multiple
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 328

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 686

HISTO: 0103110

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Moderate
[Cholangiocarcinoma TGLS = 3,4,5,6,7-14+15+16+17+18]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 1,2-12+13]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Ectasia	Moderate
* Mammary Gland		Cyst	Mild
Mesentery	Artery	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 9-11]			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Atrophy	Mild
	Artery	Inflammation	Chronic Active, Moderate
		Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Moderate
* Uterus		Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Marked
	Pelvis	Inflammation	Mild
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103111

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
	[Cholangiocarcinoma TGLS = 5,8-14]		
	[Hyperplasia TGLS = 3,4,6,7,9-6+7+13+15+16]		
* Lung		Cystic Keratinizing Epithelioma	
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Metaplasia	Squamous, Mild
	Note: Left lung frozen for NTP.		
	[Cystic Keratinizing Epithelioma TGLS = 2-12]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Mild
	Note: There was metaplasia of olfactory epithelium to respiratory type.		
	Note: Inflammatory exudate was present in the meatuses.		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103111

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Polyp Stromal

[Polyp Stromal TGLS = 10-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 366

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103112

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Mild
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Minimal
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103113

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 1-6+7+11]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 2,3,6,7-3+4+12+13]			
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 4-14]			
[Hemorrhage TGLS = 4-14]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
[Hyperplasia TGLS = 5-15]			
Mesentery	Artery	Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pancreas	Acinus	Atrophy	Mild
	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus		Metaplasia	Squamous, Marked

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
		Schwannoma Benign	
* Kidney		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Minimal
		Fatty Change	Focal, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103114

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Minimal Minimal Mild Mild Moderate
	[Cholangiocarcinoma TGLS = 4-11] [Hyperplasia TGLS = 3,5,11-6+7+11+14+15]		
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia	Multiple Histiocyte, Mild Bronchiolar, Mild
	[Cystic Keratinizing Epithelioma TGLS = 8,9,10-12+13] [Infiltration Cellular TGLS = 7-3+4+12+13]		
Lymph Node			
Note: Mediastinal is missing.			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Ovary		Atrophy Cyst	Moderate Mild
* Pancreas	Artery	Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal
* Stomach, Forestomach	Artery	Inflammation	Chronic Active, Moderate
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Carcinoma Hyperplasia Inflammation	Cystic, Mild Suppurative, Moderate
	[Carcinoma TGLS = 1-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103114

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-10]

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy;Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 367

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node	Mesentery	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Basophilic Focus	
		Degeneration	Minimal
	Centrilobular	Eosinophilic Focus	Multiple
		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 367

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103115

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Mineralization	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 334

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 548

HISTO: 0103116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Moderate
		Necrosis	Mild
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
	Endocardium	Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Cholangiofibrosis	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Moderate
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 548

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103116

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Eosinophilic Focus TGLS = 3-6+7+11]			
[Fatty Change TGLS = 4-6+7+11]			
[Hyperplasia TGLS = 3-6+7+11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Inflammation TGLS = 6-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 5-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Ovary		Atrophy	Moderate
		Inflammation	Marked
[Inflammation TGLS = 1-12]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus		Inflammation	Suppurative, Marked
[Inflammation TGLS = 2-10]			
PRIMARY CAUSE OF DEATH	- Uterus Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 366

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103117

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 365

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Pancreas

OBSERVATIONS

* Liver

Hepatocyte

Fatty Change

Diffuse, Minimal

Hypertrophy

Mild

Inflammation

Mild

Mixed Cell Focus

Multiple

Hepatocyte

Multinucleated

Minimal

Pigmentation

Mild

Toxic Hepatopathy

Minimal

[Mixed Cell Focus TGLS = 1-6]

* Ovary

Atrophy

Moderate

* Thymus

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 365

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103119

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Moderate
* Liver		Cholangiofibrosis	Mild
	Centrilobular	Fibrosis	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 1,2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 261

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
Note: The liver necrosis was primarily centrilobular.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 261

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103120

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 365

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex

* Liver

Centrilobular

Hepatocyte

Hepatocyte

[Mixed Cell Focus TGLS = 1-6]

* Lung

Interstitialium

Alveolar Epith

[Cystic Keratinizing Epithelioma TGLS = 5-1]

[Fibrosis TGLS = 4-1]

* Ovary

* Pancreas

* Thymus

* Uterus

Endometrium

Hypertrophy

Fibrosis

Hyperplasia

Hypertrophy

Inflammation

Mixed Cell Focus

Multinucleated

Pigmentation

Toxic Hepatopathy

Cystic Keratinizing Epithelioma

Fibrosis

Infiltration Cellular

Inflammation

Metaplasia

Pigmentation

Atrophy

Inflammation

Atrophy

Hyperplasia

Metaplasia

Mild

Minimal

Nodular

Moderate

Mild

Multiple

Mild

Mild

Mild

Multiple

Moderate

Histiocyte, Mild

Mild

Bronchiolar, Moderate

Mild

Moderate

Chronic Active, Minimal

Moderate

Cystic, Minimal

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 340 TRT#: 4 SEX: Female DAY ON TEST: 365
DOSE: 72 NG TEQ/KG DISP: Scheduled Sacrifice HISTO: 0103122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary * Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 366

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103123

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
	Artery	Inflammation	Chronic Active, Moderate
		Inflammation	Mild
* Heart	Coron Artery	Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 342

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 0103124

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Cholangiocarcinoma TGLS = 1,3,4,5-6+11+13+14]			
[Hyperplasia TGLS = 2,6-6+7+11+12+13+14]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 7,8-3+15]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Mesentery	Artery	Inflammation	Chronic Active, Moderate
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Carcinoma	
[Carcinoma TGLS = 9-16]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 390

DOSE: 72 NG TEQ/KG

DISP: Dosing Accident

HISTO: 0103125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Mesentery

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 390

DOSE: 72 NG TEQ/KG

DISP: Dosing Accident

HISTO: 0103125

ORGAN AND ACCOUNTABLE SITE STATUS

[Eosinophilic Focus TGLS = 1-6+7+11]

* Lung		Congestion	Mild
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Congestion TGLS = 2-3+4]		
Lymph Node	Mediastinal	Hemorrhage	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103126

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 4,5,6,7,8,9,10-7+14+15+16]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 12,13,14,15,16-3+4+18+19+20]			
[Infiltration Cellular TGLS = 17-3+4+18+19+20]			
[Metaplasia TGLS = 17-3+4+18+19+20]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 11-17]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Artery	Inflammation	Chronic Active, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Skin		Fibroma	
[Fibroma TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Adenomyosis	Mild
		Hemorrhage	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103126

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 3-13]

[Inflammation TGLS = 3-13]

Inflammation

Metaplasia

Chronic Active, Moderate

Squamous, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 534

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Salivary Glands
--------------------------	-------------------

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

[Hyperplasia TGLS = 2-6+7+12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 534

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103127

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node	Mediastinal	Ectasia	Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Ovary		Atrophy	Moderate
		Cyst	Moderate
			Note: The ovarian cyst was a bursal cyst. [Cyst TGLS = 3-10]
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 346

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0103128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103128

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2,3,4-6+7+12]

* Lung

Alveolar Epith

Cystic Keratinizing Epithelioma
Infiltration Cellular
Metaplasia

Histiocyte, Minimal
Bronchiolar, Mild

Note: Left lung frozen for NTP.

[Cystic Keratinizing Epithelioma TGLS = 6-13]

[Metaplasia TGLS = 5-4+13]

Lymph Node

Mediastinal

Hemorrhage

Mild

* Mammary Gland

Cyst

Mild

Mesentery

Artery

Inflammation

Chronic Active, Mild

* Ovary

Atrophy

Moderate

* Pancreas

Duct

Dilatation

Mild

Artery

Inflammation

Chronic Active, Marked

Acinus

Vacuolization Cytoplasmic

Minimal

[Dilatation TGLS = 1-11]

* Pituitary Gland

Pars Distalis

Adenoma

Angiectasis

Mild

[Adenoma TGLS = 7-11]

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Adenoma

Follicular Cel

Hypertrophy

Mild

* Uterus

Endometrium

Hyperplasia

Metaplasia

Cystic, Moderate

Polyp Stromal

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 653

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
	Epicardium	Inflammation	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Moderate
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate

[Hyperplasia TGLS = 5-12]
[Necrosis TGLS = 6,7,8,10-6+7+14+16]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 347

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 653

HISTO: 0103129

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolar Epith	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Metaplasia	Bronchiolar, Minimal
	Mediastinal	Ectasia	Minimal
* Lymph Node, Mandibular		Hemorrhage	Minimal
[Hyperplasia TGLS = 1-9]		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Adenolipoma	
[Adenolipoma TGLS = 2-13]		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-15]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Edema	Moderate
		Hyperplasia	Squamous, Moderate
		Inflammation	Moderate
		Ulcer	Mild
[Ulcer TGLS = 4-15]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Adenolipoma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy; Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 667

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Mesentery

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
	Epicardium	Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 348

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 667

HISTO: 0103130

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hyperplasia Hypertrophy Inflammation	Nodular Moderate Mild
	Hepatocyte	Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Mild Mild Mild Mild
[Hyperplasia TGLS = 2-12]			
* Lung	Serosa	Cystic Keratinizing Epithelioma Fibrosis Infiltration Cellular Metaplasia	Multiple Moderate Histiocyte, Minimal Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3-3+4+13+14]	Alveolar Epith		
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 4-15]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Atrophy Inflammation	Mild Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic Angiectasis	Mild Mild
* Pituitary Gland		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Spleen		Atrophy	Marked
* Thymus	Follicular Cel	Hypertrophy	Mild
* Thyroid Gland	Peridont Tiss	Inflammation	Minimal
Tooth	Endometrium	Hyperplasia Metaplasia	Cystic, Minimal Squamous, Minimal
* Uterus			

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 570

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Moderate
		Necrosis	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 570

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103131

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Hyperplasia	Plasma Cell, Moderate
	[Hemorrhage TGLS = 4-3]		
	[Hyperplasia TGLS = 4-3]		
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Minimal
	Note: Inflammatory exudate was in the meatuses.		
* Ovary		Atrophy	Moderate
		Cyst	Mild
		Inflammation	Marked
	[Cyst TGLS = 2-10]		
	[Inflammation TGLS = 1-11]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 3-10]		

PRIMARY CAUSE OF DEATH - Ovary Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
[Cyst TGLS = 1-10]			
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Moderate
		Clear Cell Focus	Multiple
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103132

ORGAN AND ACCOUNTABLE SITE STATUS

	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
	[Hyperplasia TGLS = 3,4-6+7+11]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
	[Metaplasia TGLS = 6-3+4]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Nose		Inflammation	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
		Cyst	Mild
	[Cyst TGLS = 2-10]		
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	[Adenoma TGLS = 5-8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103132

ORGAN AND ACCOUNTABLE SITE STATUS

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 351

TRT#: 4

SEX: Female

DAY ON TEST: 216

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Mild

* Liver

Inflammation

Mild

Mixed Cell Focus

Multiple

Hepatocyte

Multinucleated

Minimal

Pigmentation

Minimal

* Ovary

Atrophy

Moderate

* Pancreas

Acinus

Vacuolization Cytoplasmic

Minimal

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352

TRT#: 4

SEX: Female

DAY ON TEST: 216

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Ovary

* Pancreas

OBSERVATIONS

* Liver

Bile Duct

Fibrosis

Minimal

Inflammation

Mild

Mixed Cell Focus

Multiple

Pigmentation

Minimal

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 4

SEX: Female

DAY ON TEST: 216

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Uterus

* Ovary

* Pancreas

* Thyroid Gland

MISSING

* Thymus

OBSERVATIONS

* Liver

Hepatocyte

Cholangiofibrosis

Fatty Change

Hypertrophy

Inflammation

Pigmentation

Toxic Hepatopathy

Hemorrhage

Infiltration Cellular

Inflammation

Mild

Diffuse, Mild

Mild

Minimal

Minimal

Minimal

Mild

Histiocyte, Minimal

Granulomatous, Mild

Note: The inflammation in the lung included a neutrophilic response and could be called pyogranulomatous.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 354

TRT#: 4

SEX: Female

DAY ON TEST: 216

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Uterus

* Lung

* Ovary

* Pancreas

OBSERVATIONS

* Liver

Hepatocyte

Fatty Change

Diffuse, Minimal

Hypertrophy

Minimal

Inflammation

Mild

Pigmentation

Mild

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 355

TRT#: 4

SEX: Female

DAY ON TEST: 216

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Pancreas

* Uterus

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Minimal

* Liver

Cholangiofibrosis

Minimal

Centrilobular

Fibrosis

Minimal

Hepatocyte

Hypertrophy

Minimal

Inflammation

Mild

Mixed Cell Focus

Multiple

Hepatocyte

Multinucleated

Minimal

Pigmentation

Minimal

Toxic Hepatopathy

Minimal

* Ovary

Atrophy

Moderate

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 356

TRT#: 4

SEX: Female

DAY ON TEST: 602

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Harderian Gland		Inflammation	Marked
[Inflammation TGLS = 1-00]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum	Artery	Inflammation	Chronic Active, Moderate
* Kidney	Transit Epithe	Hyperplasia	Marked
	Pelvis	Inflammation	Marked
	Transit Epithe	Metaplasia	Squamous, Moderate
[Nephropathy TGLS = 5-5]		Nephropathy	Moderate
* Liver		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 356	TRT#: 4	SEX: Female	DAY ON TEST: 602
	DOSE: 72 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103138

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hypertrophy Inflammation Mixed Cell Focus Pigmentation Toxic Hepatopathy Infiltration Cellular	Mild Minimal Multiple Mild Mild Histiocyte, Mild
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Infiltration Cellular TGLS = 7-3+4]		
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hemorrhage	Mild
	[Hemorrhage TGLS = 3-3]		
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-11]		
Mesentery	Artery	Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 6-12]		
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 8-1]		
* Ovary		Atrophy Cyst Inflammation	Moderate Mild Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal
* Stomach, Forestomach	Artery	Inflammation	Chronic Active, Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Urinary Bladder		Metaplasia	Squamous, Moderate
* Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Mild

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 356

TRT#: 4

SEX: Female

DAY ON TEST: 602

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103138

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 357

TRT#: 4

SEX: Female

DAY ON TEST: 663

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
Mesentery	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Hyperplasia	Marked
		Cyst	Mild
* Heart	Epicardium	Inflammation	Minimal
* Kidney		Inflammation	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 357

TRT#: 4

SEX: Female

DAY ON TEST: 663

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103139

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 3,4,6,7-6+12+14+19]			
[Hyperplasia TGLS = 5-15]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 11,12,13,14,15-4+16+17+18]			
Lymph Node	Renal	Ectasia	Moderate
	Mediastinal	Hemorrhage	Mild
	Pancreatic	Hyperplasia	Lymphoid, Moderate
[Ectasia TGLS = 8-13]			
[Hemorrhage TGLS = 10-3]			
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
[Hyperplasia TGLS = 9-6]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Adenomyosis	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Marked
		Metaplasia	Squamous, Mild
[Adenomyosis TGLS = 1-11]			
[Hyperplasia TGLS = 1-11]			
[Inflammation TGLS = 1,2-10+11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 357

TRT#: 4

SEX: Female

DAY ON TEST: 663

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103139

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 358

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	* Nose	* Ovary
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
	Bile Duct	Cyst	Mild
	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 358

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103140

ORGAN AND ACCOUNTABLE SITE STATUS

Oval Cell	Hyperplasia	Moderate
	Hyperplasia	Nodular
Hepatocyte	Hypertrophy	Moderate
	Inflammation	Minimal
Hepatocyte	Multinucleated	Minimal
	Pigmentation	Mild
	Toxic Hepatopathy	Mild
[Hyperplasia TGLS = 2-12]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
	Metaplasia	Bronchiolar, Minimal
Lymph Node		
Note: Mediastinal is missing.		
* Lymph Node, Mandibular	Hyperplasia	Plasma Cell, Moderate
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]		
Oral Mucosa	Hyperplasia	Squamous, Mild
* Pancreas	Vacuolization Cytoplasmic	Mild
* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal
* Thymus	Atrophy	Marked
	Necrosis	Moderate
Tooth	Peridont Tiss	Mild
	Inflammation	

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 359

TRT#: 4

SEX: Female

DAY ON TEST: 567

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	Eye
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Marked
* Brain	Cerebrum	Degeneration	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Moderate
* Intestine Large, Cecum	Artery	Inflammation	Chronic Active, Moderate
* Intestine Large, Colon	Artery	Inflammation	Chronic Active, Moderate
* Intestine Large, Rectum	Artery	Inflammation	Chronic Active, Moderate
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
		Mineralization	Minimal
		Nephropathy	Marked
		[Nephropathy TGLS = 2-5]	
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Mild
		Eosinophilic Focus	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 359

TRT#: 4

SEX: Female

DAY ON TEST: 567

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103141

ORGAN AND ACCOUNTABLE SITE STATUS

		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
	[Cholangiocarcinoma TGLS = 10-14]		
	[Eosinophilic Focus TGLS = 12-7+14]		
	[Hyperplasia TGLS = 7,8,9,11,12-6+7+12+13+14+15]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Minimal
	[Infiltration Cellular TGLS = 13-3+4]		
	[Metaplasia TGLS = 13-3+4]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
	[Hyperplasia TGLS = 3-9]		
* Lymph Node, Mesenteric		Ectasia	Mild
	[Ectasia TGLS = 4-6]		
Mesentery	Artery	Inflammation	Chronic Active, Marked
	Note: The arteries in multiple organs were affected.		
	[Inflammation TGLS = 1-11]		
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Mild
	Olfactory Epi	Metaplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 359

TRT#: 4

SEX: Female

DAY ON TEST: 567

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103141

ORGAN AND ACCOUNTABLE SITE STATUS

Note: There was metaplasia of olfactory epithelium to respiratory type.

Note: Inflammatory exudate was in the meatuses.

Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Ovary		Atrophy	Moderate
		Cyst	Moderate
	Artery	Inflammation	Marked
[Cyst TGLS = 5-10]			
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
[Atrophy TGLS = 6-3]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Urinary Bladder	Artery	Inflammation	Chronic Active, Moderate
		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 360

TRT#: 4

SEX: Female

DAY ON TEST: 651

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Cholangiocarcinoma	Multiple
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Cholangiocarcinoma TGLS = 1,2,3,4-11+12+13]			
[Hyperplasia TGLS = 2-6+12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 360

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 651

HISTO: 0103142

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia	Histiocyte, Mild Bronchiolar, Mild
	Alveolar Epith		
	[Cystic Keratinizing Epithelioma TGLS = 8-16]		
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Pancreatic	Hyperplasia	Histiocytic, Mild
	[Hemorrhage TGLS = 9-17]		
	[Hyperplasia TGLS = 7-15]		
	[Hyperplasia TGLS = 9-17]		
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal
	[Hyperplasia TGLS = 10-18]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 6-14]		
* Ovary		Cyst	Mild
* Pancreas	Artery	Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy
 CONTRIBUTORY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 361

TRT#: 4

SEX: Female

DAY ON TEST: 565

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	Mesentery
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Moderate
		Necrosis	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

Lymph Node

Note: Mediastinal is missing.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 361

TRT#: 4

SEX: Female

DAY ON TEST: 565

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103143

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
* Mammary Gland		Fibroadenoma	
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
		Cyst	Mild
		Inflammation	Chronic Active, Marked
[Cyst TGLS = 4-10]			
[Inflammation TGLS = 3-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Marked
* Uterus		Inflammation	Chronic Active, Marked
		Metaplasia	Squamous, Marked

Note: The lumen of the uterus was lined by squamous epithelium and filled with keratin.

[Inflammation TGLS = 1-11]

[Metaplasia TGLS = 5-12+13]

PRIMARY CAUSE OF DEATH

- Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 362

TRT#: 4

SEX: Female

DAY ON TEST: 636

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	Mesentery	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Dilatation	Moderate
		Hyperplasia	Moderate
* Kidney	Transit Epithe	Hyperplasia	Moderate
	Pelvis	Inflammation	Moderate
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Minimal
	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 362

TRT#: 4

SEX: Female

DAY ON TEST: 636

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103144

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
	[Cholangiocarcinoma TGLS = 1,3-12+13]		
	[Hyperplasia TGLS = 2,4,5-7+11+12]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Ectasia	Mild
		Hyperplasia	Histiocytic, Mild
	[Ectasia TGLS = 6-14]		
	[Hyperplasia TGLS = 6-14]		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 362

TRT#: 4

SEX: Female

DAY ON TEST: 636

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103144

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Inflammation

Moderate

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 363

TRT#: 4

SEX: Female

DAY ON TEST: 687

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy Degeneration Hypertrophy	Moderate Cystic, Moderate Moderate
Note: One adrenal atrophic.			
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst Inflammation	Moderate Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart	Epicardium	Inflammation	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization Nephropathy	Minimal Moderate
* Liver		Cholangiocarcinoma Cholangiofibrosis	Multiple Moderate
	Bile Duct	Cyst Fatty Change	Moderate Diffuse, Mild
	Bile Duct Centrilobular Portal	Fibrosis Fibrosis Fibrosis	Mild Minimal Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 363

TRT#: 4

SEX: Female

DAY ON TEST: 687

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103145

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
	[Cholangiocarcinoma TGLS = 1,2,3-11+12+13]		
	[Hyperplasia TGLS = 4,5-6+7+12+13]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
	Note: Right lung (normally slide 4) in slides 14, 15, 16, and 17.		
	[Cystic Keratinizing Epithelioma TGLS = 6,7,8,9,10-3+14+15+16+17]		
	Lymph Node		
	Note: Mediastinal is missing.		
	Mesentery	Necrosis	Moderate
	[Necrosis TGLS = 11-18]		
	Oral Mucosa	Hyperplasia	Squamous, Minimal
* Ovary	Gingival	Atrophy	Moderate
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Edema	Mild
		Hyperplasia	Squamous, Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 363

TRT#: 4

SEX: Female

DAY ON TEST: 687

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103145

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Adenomyosis	Moderate
	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 364

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 3-10]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Hepatocholangioma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 364

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103146

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Mild Mild Moderate
	[Cholangiocarcinoma TGLS = 5-14] [Hyperplasia TGLS = 6,7,8,9-6+15]		
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Metaplasia	Multiple Histiocyte, Minimal Bronchiolar, Minimal Squamous, Moderate
	Note: Left lung frozen for NTP. [Cystic Keratinizing Epithelioma TGLS = 10,12-3+18] [Infiltration Cellular TGLS = 11-4]		
Lymph Node	Lumbar	Ectasia	Moderate
	Note: Mediastinal is missing. [Ectasia TGLS = 4-13]		
* Lymph Node, Mandibular		Ectasia	Mild
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Minimal
	Olfactory Epi	Metaplasia	Mild
	Note: There was metaplasia of the olfactory epithelium to respiratory type. Note: Inflammatory exudate was in the meatuses.		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy Cyst	Moderate Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Cyst Epithelial Inclusion Fibroma	
	[Cyst Epithelial Inclusion TGLS = 1-11] [Fibroma TGLS = 2-12]		
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 364

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103146

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Pigmentation	Mild
* Thyroid Gland		Atrophy	Marked
Tooth	Follicular Cel	Hypertrophy	Mild
* Uterus	Peridont Tiss	Inflammation	Minimal
		Metaplasia	Squamous, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 365

TRT#: 4

SEX: Female

DAY ON TEST: 366

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103147

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 366	TRT#: 4	SEX: Female	DAY ON TEST: 92
	DOSE: 72 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0103148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Lung	* Thymus
------------------	--------	----------

OBSERVATIONS

* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 367

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Mild

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 368

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369	TRT#: 4	SEX: Female	DAY ON TEST: 92
	DOSE: 72 NG TEQ/KG	DISP: Scheduled Sacrifice	HISTO: 0103151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Lung	* Thyroid Gland
------------------	--------	-----------------

OBSERVATIONS

* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 370

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

OBSERVATIONS

* Kidney

Nephroblastoma

[Nephroblastoma TGLS = 1-6]

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 371

TRT#: 4

SEX: Female

DAY ON TEST: 216

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Ovary

* Pancreas

* Uterus

OBSERVATIONS

* Liver

Hepatocyte

Hepatodiaphragmatic Nodule

Hypertrophy

Minimal

Inflammation

Mild

Pigmentation

Minimal

[Hepatodiaphragmatic Nodule TGLS = 1-6]

* Thymus

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372

TRT#: 4

SEX: Female

DAY ON TEST: 216

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Pancreas

OBSERVATIONS

* Liver

Centrilobular
Hepatocyte

Fibrosis
Hypertrophy
Inflammation
Mixed Cell Focus
Pigmentation

Minimal
Minimal
Minimal
Multiple
Minimal

* Ovary

Atrophy

Moderate

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

* Uterus

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 373

TRT#: 4

SEX: Female

DAY ON TEST: 216

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Ovary

* Pancreas

* Uterus

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Mild

* Liver

Centrilobular

Fibrosis

Minimal

Bile Duct

Hyperplasia

Minimal

Hepatocyte

Hypertrophy

Minimal

Inflammation

Moderate

Mixed Cell Focus

Multiple

Hepatocyte

Multinucleated

Minimal

Pigmentation

Mild

Toxic Hepatopathy

Minimal

* Thymus

Atrophy

Mild

Cyst

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374

TRT#: 4

SEX: Female

DAY ON TEST: 216

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Pancreas

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Fatty Change

Diffuse, Mild

Hypertrophy

Minimal

Inflammation

Mild

Pigmentation

Minimal

* Ovary

Atrophy

Moderate

* Thymus

Atrophy

Marked

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Metaplasia

Squamous, Mild

[Hyperplasia TGLS = 1-4]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 375

TRT#: 4

SEX: Female

DAY ON TEST: 216

DOSE: 72 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Ovary

* Pancreas

* Thyroid Gland

* Uterus

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Mixed Cell Focus

Multiple

Pigmentation

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 376

TRT#: 4

SEX: Female

DAY ON TEST: 714

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Erosion	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 376

TRT#: 4

SEX: Female

DAY ON TEST: 714

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103158

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
	[Cholangiocarcinoma TGLS = 3,4,5-12+13+14]		
	[Hyperplasia TGLS = 2,6,7-11+15+16]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	[Cystic Keratinizing Epithelioma TGLS = 9,10-17+18]		
	[Infiltration Cellular TGLS = 8-3+4]		
	[Metaplasia TGLS = 8-3+4]		
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy
 CONTRIBUTORY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 377

TRT#: 4

SEX: Female

DAY ON TEST: 552

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 377

TRT#: 4

SEX: Female

DAY ON TEST: 552

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103159

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Fatty Change TGLS = 4-6+7+12]			
[Hyperplasia TGLS = 3-6+7+12]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Ovary		Atrophy	Moderate
		Cyst	Mild
Note: The ovarian cysts were bursal cysts.			
[Cyst TGLS = 2-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
* Uterus		Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Marked
Note: The uterus was lined by squamous epithelium and the lumen was dilated and filled with keratin.			
[Metaplasia TGLS = 1-11]			

PRIMARY CAUSE OF DEATH - Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 378

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 1-10]			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
	Pelvis	Inflammation	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 378

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103160

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Mixed Cell Focus Multinucleated Pigmentation Toxic Hepatopathy	Multiple Mild Mild Moderate
[Hyperplasia TGLS = 4,5,6,7,8-6+7+12+13+14]			
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Metaplasia	Histiocyte, Mild Bronchiolar, Mild Squamous, Mild
Note: Left lung frozen for NTP. [Infiltration Cellular TGLS = 3-4] [Metaplasia TGLS = 3-4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-11]		Fibroadenoma	
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Mild
Note: Inflammatory exudate was in the meatuses.			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Atrophy	Marked
* Urinary Bladder	Transit Epith	Hyperplasia Inflammation	Mild Minimal
* Uterus	Endometrium	Hyperplasia Metaplasia	Cystic, Minimal Squamous, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 378

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103160

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 379

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 379

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103161

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Hyperplasia TGLS = 4,5,6-6+7+12+15]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Infiltration Cellular TGLS = 8-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-11+13+14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 7-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 9-16]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 379

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103161

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 380

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Minimal
* Intestine Large, Cecum	Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 380

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0103162

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Minimal Mild Mild Mild Moderate
[Hyperplasia TGLS = 7,8,9,10,11,12-6+7+16+17+18+19]			
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular	Multiple Histiocyte, Mild
	Alveolar Epith	Metaplasia Metaplasia	Bronchiolar, Moderate Squamous, Mild
Note: Left lung frozen for NTP. [Cystic Keratinizing Epithelioma TGLS = 2,3,4,5,6,15-3+4+12+13+15+14]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Ectasia Hyperplasia	Mild Plasma Cell, Mild
* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Mild
[Fibroadenoma TGLS = 1,14-11+20]			
Mesentery	Artery	Inflammation	Chronic Active, Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Mild
[Polyp Stromal TGLS = 13-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 381

TRT#: 4

SEX: Female

DAY ON TEST: 41

DOSE: 72 NG TEQ/KG

DISP: Dosing Accident

HISTO: 0103163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
* Lung		Congestion	Moderate
		Hemorrhage	Moderate
[Congestion TGLS = 1-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 382

TRT#: 4

SEX: Female

DAY ON TEST: 628

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Centrilobular	Degeneration	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 382

TRT#: 4

DOSE: 72 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 628

HISTO: 0103164

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hyperplasia Hypertrophy Inflammation	Nodular Marked Minimal
	Hepatocyte	Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Minimal Moderate Mild Marked
[Cholangiocarcinoma TGLS = 3-11]			
[Hyperplasia TGLS = 4,5,6,7,8-6+7+12+13+14]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Ovary		Atrophy Cyst	Moderate Moderate
[Cyst TGLS = 1-10]			
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal
[Hematopoietic Cell Proliferation TGLS = 10-5]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Marked
[Inflammation TGLS = 9-1]			
* Uterus	Endometrium	Hyperplasia Metaplasia Squamous Cell Carcinoma	Cystic, Moderate Squamous, Moderate

Note: There appeared to be two malignant tumors in the area of the cervix.

[Hyperplasia TGLS = 11-10]

[Metaplasia TGLS = 11-10]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 382

TRT#: 4

SEX: Female

DAY ON TEST: 628

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103164

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 2-15]

PRIMARY CAUSE OF DEATH

- Uterus Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 383

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Esophagus	Muscularis	Inflammation	Minimal
* Heart	Epicardium	Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103165

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Hyperplasia TGLS = 1,2-11+12]			
* Lung	Alveolar Epith	Infiltration Cellular Metaplasia	Histiocyte, Mild Bronchiolar, Mild
Note: Left lung frozen for NTP.			
Lymph Node			
Note: Mediastinal is missing.			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 384

TRT#: 4

SEX: Female

DAY ON TEST: 555

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

[Hepatodiaphragmatic Nodule TGLS = 1-12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 384

TRT#: 4

SEX: Female

DAY ON TEST: 555

DOSE: 72 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103166

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Moderate
[Inflammation TGLS = 4-1]			
* Uterus		Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Minimal
		Polyp Stromal	
[Inflammation TGLS = 2,3-10+11]			
[Polyp Stromal TGLS = 3-11]			

PRIMARY CAUSE OF DEATH

- Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 385

TRT#: 4

SEX: Female

DAY ON TEST: 539

DOSE: 72 NG TEQ/KG

DISP: Natural Death

HISTO: 0103167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Minimal
	Centrilobular	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385	TRT#: 4	SEX: Female	DAY ON TEST: 539
	DOSE: 72 NG TEQ/KG	DISP: Natural Death	HISTO: 0103167

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-13]		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular Inflammation	Histiocyte, Mild Marked
* Ovary	Alveolar Epith	Metaplasia Atrophy Inflammation	Bronchiolar, Minimal Moderate Chronic Active, Marked
[Inflammation TGLS = 2,3-11+12]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus		Inflammation Metaplasia	Suppurative, Moderate Squamous, Mild
[Inflammation TGLS = 1-10]			

PRIMARY CAUSE OF DEATH - Ovary Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 386

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
	Coron Artery	Inflammation	Chronic Active, Minimal
* Intestine Large, Rectum	Artery	Inflammation	Chronic Active, Moderate
* Kidney	Artery	Inflammation	Chronic Active, Moderate
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 386

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103168

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
	Artery	Inflammation	Moderate
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
	[Cholangiocarcinoma TGLS = 3-13]		
	[Hyperplasia TGLS = 4-14]		
	[Hypertrophy TGLS = 5-6+7+13+14]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Metaplasia	Squamous, Mild
	Note: Left lung frozen for NTP.		
	Lymph Node		
	Note: Mediastinal is missing.		
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 1,2-11+12]		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Cyst	Mild
* Pancreas	Artery	Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 386

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 72 NG TEQ/KG

DISP: Terminal Sacrifice

HISTO: 0103168

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 401

TRT#: 5

SEX: Female

DAY ON TEST: 216

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Ovary

* Uterus

OBSERVATIONS

* Liver

Centrilobular

Fatty Change

Diffuse, Minimal

Bile Duct

Fibrosis

Mild

Oval Cell

Hyperplasia

Mild

Hepatocyte

Hyperplasia

Minimal

Hypertrophy

Moderate

Inflammation

Mild

Hepatocyte

Multinucleated

Moderate

Necrosis

Minimal

Pigmentation

Mild

Toxic Hepatopathy

Mild

* Lung

Infiltration Cellular

Histiocyte, Minimal

Alveolar Epith

Metaplasia

Bronchiolar, Mild

* Pancreas

Acinus

Vacuolization Cytoplasmic

Minimal

* Thymus

Atrophy

Marked

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 402

TRT#: 5

SEX: Female

DAY ON TEST: 216

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Ovary

* Uterus

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Minimal

Atrophy

Minimal

* Liver

Eosinophilic Focus

Multiple

Centrilobular

Fibrosis

Mild

Bile Duct

Hyperplasia

Mild

Oval Cell

Hyperplasia

Mild

Hepatocyte

Hypertrophy

Moderate

Inflammation

Mild

Hepatocyte

Multinucleated

Mild

Pigmentation

Mild

Toxic Hepatopathy

Mild

[Eosinophilic Focus TGLS = 1-6]

* Pancreas

Acinus

Atrophy

Minimal

Acinus

Vacuolization Cytoplasmic

Mild

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 403

TRT#: 5

SEX: Female

DAY ON TEST: 216

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Ovary

* Uterus

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Minimal

* Liver

Eosinophilic Focus

Centrilobular

Fibrosis

Mild

Bile Duct

Hyperplasia

Mild

Oval Cell

Hyperplasia

Mild

Hepatocyte

Hypertrophy

Mild

Inflammation

Mild

Hepatocyte

Multinucleated

Mild

Necrosis

Minimal

Pigmentation

Mild

Toxic Hepatopathy

Mild

* Pancreas

Acinus

Vacuolization Cytoplasmic

Minimal

* Thymus

Atrophy

Marked

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 404

TRT#: 5

SEX: Female

DAY ON TEST: 216

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Uterus

* Lung

* Ovary

* Thyroid Gland

OBSERVATIONS

* Liver

Centrilobular
Bile Duct
Oval Cell
Hepatocyte

Hepatocyte

* Pancreas
* Thymus

Acinus

Fatty Change

Fibrosis

Hyperplasia

Hyperplasia

Hypertrophy

Inflammation

Multinucleated

Pigmentation

Toxic Hepatopathy

Vacuolization Cytoplasmic

Atrophy

Diffuse, Mild

Mild

Minimal

Minimal

Moderate

Mild

Mild

Mild

Mild

Minimal

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 405

TRT#: 5

SEX: Female

DAY ON TEST: 216

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Ovary

* Uterus

OBSERVATIONS

* Liver

Eosinophilic Focus

Multiple

Fatty Change

Diffuse, Minimal

Centrilobular

Fibrosis

Mild

Bile Duct

Hyperplasia

Mild

Oval Cell

Hyperplasia

Minimal

Hepatocyte

Hypertrophy

Moderate

Inflammation

Minimal

Hepatocyte

Multinucleated

Mild

Pigmentation

Moderate

Toxic Hepatopathy

Mild

* Lung

Hemorrhage

Minimal

Infiltration Cellular

Histiocyte, Minimal

Alveolar Epith

Metaplasia

Bronchiolar, Minimal

* Pancreas

Acinus

Vacuolization Cytoplasmic

Minimal

* Thymus

Atrophy

Marked

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 406

TRT#: 5

SEX: Female

DAY ON TEST: 217

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103174

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 407

TRT#: 5

SEX: Female

DAY ON TEST: 482

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
		Hyperplasia	Moderate
* Bone Marrow			
Eye			
Note: One optic nerve missing.			
* Heart	Epicardium	Inflammation	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 407	TRT#: 5	SEX: Female	DAY ON TEST: 482
	DOSE: 216 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103175

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Moderate Mild Mild Moderate
	[Hyperplasia TGLS = 1-11]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Serosa	Fibrosis Infiltration Cellular	Minimal Histiocyte, Minimal
	Mediastinum	Inflammation	Moderate
	[Cystic Keratinizing Epithelioma TGLS = 2,3,4,5,6-3+4+12+13+14]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Mesentery	Artery	Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 408

TRT#: 5

SEX: Female

DAY ON TEST: 474

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart	Epicardium	Inflammation	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 408

TRT#: 5

SEX: Female

DAY ON TEST: 474

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103176

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 1,2,3,4-11+12+13+14]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 5,6,7,8,9-3+4+15+16+17]			
Lymph Node			
Note: Mediastinal is missing.			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 409

TRT#: 5

SEX: Female

DAY ON TEST: 709

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Moderate
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 409

TRT#: 5

SEX: Female

DAY ON TEST: 709

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103177

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hyperplasia Hypertrophy Inflammation	Nodular Moderate Mild
	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Minimal Moderate Marked
	[Cholangiocarcinoma TGLS = 1-11] [Hepatocellular Adenoma TGLS = 8,9-16+17] [Hyperplasia TGLS = 6,7,10,11-14+15+16+17+18]		
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular	Multiple Histiocyte, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 12-19]		
Lymph Node			
	Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
	[Hyperplasia TGLS = 5-9]		
* Ovary		Cyst	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
	Artery	Inflammation	Chronic Active, Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Bilateral	Polyp Stromal	
	[Polyp Stromal TGLS = 4-10]		

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 410

TRT#: 5

SEX: Female

DAY ON TEST: 611

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

Lymph Node	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Moderate
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 410

TRT#: 5

SEX: Female

DAY ON TEST: 611

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103178

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Fatty Change TGLS = 4-15] [Hyperplasia TGLS = 3,5-13+14]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
* Pancreas	Duct	Dilatation	Moderate
	Acinus	Vacuolization Cytoplasmic	Minimal
[Dilatation TGLS = 2-12]			
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Cyst	Mild
Note: The cyst contained keratin and was lined by squamous epithelium.			
[Cyst TGLS = 6-16]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 411

TRT#: 5

SEX: Female

DAY ON TEST: 93

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103179

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 412

TRT#: 5

SEX: Female

DAY ON TEST: 686

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
* Heart	Epicardium	Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 412

TRT#: 5

SEX: Female

DAY ON TEST: 686

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103180

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 1,2-11+12]			
[Cyst TGLS = 8-16]			
[Hyperplasia TGLS = 1,5,6,7,9-11+12+15+16+17+18]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Serosa	Fibrosis	Mild
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3,4,10,11,12-3+4+13+14+19]			
Lymph Node	Mediastinal	Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 413

TRT#: 5

SEX: Female

DAY ON TEST: 565

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	Mesentery	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Brain		Inflammation	Moderate
		Necrosis	Moderate
Note: The inflammation and necrosis affected the olfactory bulb as an extension from the nose.			
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Moderate
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 413

TRT#: 5

SEX: Female

DAY ON TEST: 565

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103181

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Fatty Change TGLS = 2-11]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
[Cystic Keratinizing Epithelioma TGLS = 3,4-12+13]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
* Nose	Respirat Epith	Hyperplasia	Mild
	Squam Epithel	Hyperplasia	Mild
		Inflammation	Marked
		Necrosis	Marked
Note: An inflammatory exudate filled the meatuses.			
* Ovary		Cyst	Mild
[Cyst TGLS = 1-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Marked

PRIMARY CAUSE OF DEATH - Brain Necrosis
 CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 414

TRT#: 5

SEX: Female

DAY ON TEST: 446

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

MISSING

* Clitoral Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	Lymph Node	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Moderate
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 414	TRT#: 5	SEX: Female	DAY ON TEST: 446
	DOSE: 216 NG TEQ/KG	DISP: Natural Death	HISTO: 0103182

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-6+7]		Toxic Hepatopathy	Marked
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Serosa	Fibrosis	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2-3+4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 415

TRT#: 5

SEX: Female

DAY ON TEST: 623

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Moderate
		Fatty Change	Focal, Moderate
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 415

TRT#: 5

SEX: Female

DAY ON TEST: 623

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103183

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
	[Cholangiocarcinoma TGLS = 7-11]		
	[Hyperplasia TGLS = 8,9,10,11,12-12+17+18+19]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5-3+4+13+14+15]		
Lymph Node	Renal	Hyperplasia	Histiocytic, Moderate
Note: Mediastinal is missing.			
	[Hyperplasia TGLS = 6-16]		
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
Mesentery	Artery	Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 14-22]		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 415

TRT#: 5

SEX: Female

DAY ON TEST: 623

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103183

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 13-21]

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 416

TRT#: 5

SEX: Female

DAY ON TEST: 397

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Necrosis	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 416

TRT#: 5

SEX: Female

DAY ON TEST: 397

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103184

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-12]		Toxic Hepatopathy	Moderate
* Lung		Hemorrhage Infiltration Cellular	Minimal Histocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
[Hyperplasia TGLS = 2-9]			
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Mild
	Olfactory Epi	Metaplasia	Moderate
Note: There was metaplasia of respiratory epithelium to squamous type.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Skin		Inflammation Ulcer	Moderate Moderate
[Inflammation TGLS = 1-11]			
[Ulcer TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 417

TRT#: 5

SEX: Female

DAY ON TEST: 450

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Esophagus	Muscularis	Inflammation	Mild
* Heart	Coron Artery	Inflammation	Chronic Active, Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

[Hyperplasia TGLS = 2,3-6+7+11]
[Hypertrophy TGLS = 2-6+7+11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 417

TRT#: 5

SEX: Female

DAY ON TEST: 450

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103185

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia	Multiple Histiocyte, Minimal Bronchiolar, Minimal
	Alveolar Epith		
	[Cystic Keratinizing Epithelioma TGLS = 4,5,6,7-3+4+12]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Pancreas	Acinus	Atrophy	Minimal
	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic	Mild
* Skin	Subcut Tiss	Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 418

TRT#: 5

SEX: Female

DAY ON TEST: 534

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 418

TRT#: 5

SEX: Female

DAY ON TEST: 534

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103186

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
	[Cholangiocarcinoma TGLS = 2-12]		
	[Hyperplasia TGLS = 3,4,5,6,7,8-6+7+12+13+14]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Serosa	Fibrosis	Mild
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 9,10,11,12-3+4+15+16]		
Lymph Node			
	Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Ovary		Cyst	Mild
	Note: One ovarian cyst appeared to be a bursal cyst.		
	[Cyst TGLS = 13-10]		
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy; Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 419

TRT#: 5

SEX: Female

DAY ON TEST: 313

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Atrophy	Mild
* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart	Epicardium	Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	
		Fatty Change	Diffuse, Moderate
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Necrosis	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 419

TRT#: 5

SEX: Female

DAY ON TEST: 313

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103187

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Moderate
[Fatty Change TGLS = 1-11]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6-13+14+15+16]			
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 2-12]			
[Hemorrhage TGLS = 2-12]			
* Lymph Node, Mandibular		Hemorrhage	Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 420

TRT#: 5

SEX: Female

DAY ON TEST: 523

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Degeneration	Cystic, Moderate
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Cyst	Moderate
Harderian Gland		Inflammation	Minimal
* Heart	Epicardium	Inflammation	Minimal
* Intestine Small, Ileum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 420

TRT#: 5

SEX: Female

DAY ON TEST: 523

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103188

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 1-6+7+11]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2-3+4+12]			
Lymph Node			
Note: Mediastinal is missing.			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Moderate
Note: The meatuses contained an inflammatory exudate.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Cyst	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 421

TRT#: 5

SEX: Female

DAY ON TEST: 92

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103189

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Minimal

* Liver

Fatty Change

Diffuse, Minimal

Hepatocyte

Hypertrophy

Mild

Inflammation

Mild

Hepatocyte

Multinucleated

Minimal

Pigmentation

Minimal

* Lung

Hemorrhage

Mild

* Thymus

Atrophy

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 422

TRT#: 5

SEX: Female

DAY ON TEST: 92

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

OBSERVATIONS

* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Minimal
* Lung		Hemorrhage	Moderate
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 423

TRT#: 5

SEX: Female

DAY ON TEST: 92

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thymus

OBSERVATIONS

* Liver

Hepatocyte

Fatty Change

Diffuse, Minimal

Hypertrophy

Mild

Inflammation

Mild

Mixed Cell Focus

Hepatocyte

Multinucleated

Minimal

Pigmentation

Minimal

* Lung

Hemorrhage

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 424

TRT#: 5

SEX: Female

DAY ON TEST: 92

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Lung

* Thymus

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Mild

* Liver

Hepatocyte

Hypertrophy

Minimal

Inflammation

Minimal

Pigmentation

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 425

TRT#: 5

SEX: Female

DAY ON TEST: 92

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

OBSERVATIONS

* Liver	Hepatocyte	Hypertrophy Inflammation	Mild Minimal
	Hepatocyte	Multinucleated Pigmentation	Mild Minimal
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Inflammation	Minimal Histiocyte, Minimal Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 426

TRT#: 5

SEX: Female

DAY ON TEST: 365

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Uterus

* Ovary
Vagina

OBSERVATIONS

* Adrenal Cortex
* Liver

Centrilobular
Portal
Bile Duct
Oval Cell

Hepatocyte
Hepatocyte

Atrophy
Fatty Change
Fibrosis
Fibrosis
Hyperplasia
Hyperplasia
Hyperplasia
Hypertrophy
Inflammation
Multinucleated
Necrosis
Pigmentation
Toxic Hepatopathy

Mild
Diffuse, Mild
Mild
Mild
Mild
Moderate
Nodular
Marked
Mild
Moderate
Minimal
Mild
Moderate

[Hyperplasia TGLS = 1,2-7+8]

* Lung

Alveolar Epith

[Cystic Keratinizing Epithelioma TGLS = 3-6]

* Pancreas

Acinus
Acinus

Cystic Keratinizing Epithelioma
Infiltration Cellular
Metaplasia

Histiocyte, Minimal
Bronchiolar, Mild

* Spleen
* Stomach, Glandular
* Thymus
* Thyroid Gland

Follicular Cel

Atrophy
Inflammation
Vacuolization Cytoplasmic
Pigmentation
Erosion
Atrophy
Hypertrophy

Minimal
Chronic Active, Minimal
Mild
Minimal
Minimal
Marked
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 427

TRT#: 5

SEX: Female

DAY ON TEST: 365

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland

* Islets, Pancreatic
* Stomach, Glandular

* Mammary Gland
Vagina

* Ovary

OBSERVATIONS

* Adrenal Cortex

Atrophy

Moderate

* Liver

Hypertrophy

Minimal

Cholangiofibrosis

Moderate

Fatty Change

Diffuse, Mild

Centrilobular

Fibrosis

Mild

Portal

Fibrosis

Mild

Bile Duct

Hyperplasia

Mild

Oval Cell

Hyperplasia

Moderate

Hyperplasia

Nodular

Hepatocyte

Hypertrophy

Marked

Inflammation

Minimal

Hepatocyte

Multinucleated

Moderate

Pigmentation

Moderate

Toxic Hepatopathy

Marked

[Hyperplasia TGLS = 1,2,3,4,5,6,7-6+7+8+9+10+11]

* Lung

Cystic Keratinizing Epithelioma

Infiltration Cellular

Histiocyte, Minimal

Alveolar Epith

Metaplasia

Bronchiolar, Minimal

[Cystic Keratinizing Epithelioma TGLS = 8-7]

* Pancreas

Acinus

Vacuolization Cytoplasmic

Mild

* Spleen

Pigmentation

Minimal

* Stomach, Forestomach

Edema

Mild

* Thymus

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Moderate

* Uterus

Polyp Stromal

Multiple

[Polyp Stromal TGLS = 9,10-4]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 428

TRT#: 5

SEX: Female

DAY ON TEST: 365

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Stomach, Forestomach

* Islets, Pancreatic
* Stomach, Glandular

* Ovary
* Uterus

* Pituitary Gland
Vagina

OBSERVATIONS

* Adrenal Cortex

Atrophy
Hypertrophy
Angiectasis
Basophilic Focus
Cholangiofibrosis
Fatty Change

Mild
Minimal
Mild
Mild
Diffuse, Mild

* Liver

Centrilobular
Portal
Bile Duct
Oval Cell

Fibrosis
Fibrosis
Hyperplasia
Hyperplasia
Hyperplasia
Hypertrophy
Inflammation
Multinucleated
Pigmentation
Toxic Hepatopathy

Mild
Mild
Moderate
Moderate
Nodular
Marked
Minimal
Mild
Mild
Moderate

[Hyperplasia TGLS = 2,3-7+8]

* Lung

Alveolar Epith

Cystic Keratinizing Epithelioma
Infiltration Cellular
Metaplasia

Histiocyte, Moderate
Bronchiolar, Mild

[Cystic Keratinizing Epithelioma TGLS = 4-1]

* Mammary Gland

[Fibroadenoma TGLS = 1-6]

Fibroadenoma

* Pancreas

Acinus

Vacuolization Cytoplasmic

Minimal

* Spleen

Pigmentation

Minimal

* Thymus

Atrophy

Marked

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 428

TRT#: 5

SEX: Female

DAY ON TEST: 365

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103196

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 429

TRT#: 5

SEX: Female

DAY ON TEST: 365

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

* Ovary
* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex

Atrophy

Mild

* Liver

Hypertrophy
Cholangiofibrosis
Fatty Change

Minimal
Moderate
Diffuse, Moderate

Bile Duct
Centrilobular
Portal
Bile Duct
Oval Cell

Fibrosis
Fibrosis
Fibrosis
Hyperplasia
Hyperplasia
Hyperplasia

Minimal
Mild
Mild
Mild
Moderate

Hepatocyte
Hepatocyte

Hypertrophy
Inflammation
Multinucleated
Pigmentation
Toxic Hepatopathy

Nodular
Marked
Minimal
Moderate
Moderate

[Hyperplasia TGLS = 1,2-6+7]

* Lung
* Pancreas
* Spleen
* Thyroid Gland

Acinus
Follicular Cel

Infiltration Cellular
Vacuolization Cytoplasmic
Pigmentation
Hypertrophy

Histiocyte, Minimal
Mild
Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 430

TRT#: 5

SEX: Female

DAY ON TEST: 365

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Islets, Pancreatic
* Mammary Gland	* Ovary	* Stomach, Forestomach	* Stomach, Glandular
* Uterus	Vagina		

OBSERVATIONS

* Liver		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 1-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland		Cyst	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 431

TRT#: 5

SEX: Female

DAY ON TEST: 216

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Ovary

* Uterus

OBSERVATIONS

* Liver

Cholangiofibrosis

Minimal

Eosinophilic Focus

Multiple

Fatty Change

Diffuse, Mild

Centrilobular

Fibrosis

Mild

Bile Duct

Hyperplasia

Minimal

Oval Cell

Hyperplasia

Minimal

Hepatocyte

Hypertrophy

Moderate

Inflammation

Minimal

Hepatocyte

Multinucleated

Mild

Pigmentation

Mild

Toxic Hepatopathy

Mild

* Lung

Interstitialium

Fibrosis

Focal, Minimal

Inflammation

Granulomatous, Minimal

* Pancreas

Acinus

Vacuolization Cytoplasmic

Minimal

* Thymus

Atrophy

Marked

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 432

TRT#: 5

SEX: Female

DAY ON TEST: 216

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 433

TRT#: 5

SEX: Female

DAY ON TEST: 216

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary * Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Lung		Inflammation	Granulomatous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 434

TRT#: 5

SEX: Female

DAY ON TEST: 216

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary

* Thymus

* Uterus

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Minimal

* Liver

Eosinophilic Focus

Fatty Change

Diffuse, Minimal

Centrilobular

Fibrosis

Mild

Bile Duct

Hyperplasia

Minimal

Hepatocyte

Hypertrophy

Moderate

Inflammation

Mild

Hepatocyte

Multinucleated

Mild

Pigmentation

Mild

Toxic Hepatopathy

Mild

* Lung

Infiltration Cellular

Histiocyte, Minimal

* Pancreas

Acinus

Vacuolization Cytoplasmic

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 435

TRT#: 5

SEX: Female

DAY ON TEST: 216

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary * Uterus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Minimal
* Liver		Cholangiofibrosis	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Infarct	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

Note: The lesion in the caudate lobe may have been the result of a torsion.

[Hyperplasia TGLS = 2,3-7]

[Infarct TGLS = 1-6]

* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 436

TRT#: 5

SEX: Female

DAY ON TEST: 649

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
* Heart	Coron Artery	Inflammation	Chronic Active, Moderate
	Epicardium	Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 436

TRT#: 5

SEX: Female

DAY ON TEST: 649

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103204

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 2,3,4,5-6+7+12+13]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 6,7,8,9-4+15+16+17]			
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Mild
	Pancreatic	Hyperplasia	Histiocytic, Mild
[Hyperplasia TGLS = 1-11]			
[Hyperplasia TGLS = 10-14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung	Cystic Keratinizing Epithelioma	
CONTRIBUTORY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 437

TRT#: 5

SEX: Female

DAY ON TEST: 667

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

MISSING

Lymph Node	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart	Valve	Fibrosis	Mild
	Epicardium	Inflammation	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 437

TRT#: 5

SEX: Female

DAY ON TEST: 667

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103205

ORGAN AND ACCOUNTABLE SITE STATUS

Oval Cell	Hyperplasia	Moderate
Hepatocyte	Hypertrophy	Moderate
	Inflammation	Minimal
	Metaplasia	Minimal
Hepatocyte	Multinucleated	Minimal
	Pigmentation	Mild
	Toxic Hepatopathy	Marked

Note: Metaplasia to pancreatic type tissue occurred.

[Cholangiocarcinoma TGLS = 1,5-6+7+13+14]

[Hepatocellular Adenoma TGLS = 5-6+7+14]

* Lung

Serosa	Cystic Keratinizing Epithelioma	Multiple
	Fibrosis	Mild
	Infiltration Cellular	Histiocyte, Minimal
Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	Metaplasia	Squamous, Mild

[Cystic Keratinizing Epithelioma TGLS = 2-3+4+11+12+15+16+17+18]

Lymph Node

Note: Mediastinal is missing.

Oral Mucosa

Gingival	Hyperplasia	Squamous, Moderate
----------	-------------	--------------------

[Hyperplasia TGLS = 6-1]

* Ovary

* Pancreas

* Spleen

Acinus	Atrophy	Moderate
	Vacuolization Cytoplasmic	Mild
	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal

* Stomach, Glandular

* Thyroid Gland

C Cell	Mineralization	Minimal
Follicular Cel	Hyperplasia	Moderate
Endometrium	Hypertrophy	Mild

* Uterus

	Hyperplasia	Cystic, Moderate
	Polyp Stromal	

[Hyperplasia TGLS = 3-10]

[Polyp Stromal TGLS = 4-10]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 437

TRT#: 5

SEX: Female

DAY ON TEST: 667

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103205

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 438

TRT#: 5

SEX: Female

DAY ON TEST: 366

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103206

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 439

TRT#: 5

SEX: Female

DAY ON TEST: 447

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 439

TRT#: 5

SEX: Female

DAY ON TEST: 447

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103207

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Metaplasia Multinucleated Pigmentation Toxic Hepatopathy	Minimal Minimal Minimal Mild Marked
Note: There was pancreatic metaplasia in the liver. [Hyperplasia TGLS = 3-12]			
* Lung	Serosa	Cystic Keratinizing Epithelioma Fibrosis Infiltration Cellular Metaplasia	Multiple Minimal Histiocyte, Minimal Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 4,5-13+14]			
Lymph Node Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Pancreas	Acinus	Atrophy	Minimal
	Duct	Dilatation	Moderate
	Artery	Edema Inflammation	Mild Chronic Active, Moderate
Note: There was an edematous thickening of interstitial tissue. [Dilatation TGLS = 2-11] [Edema TGLS = 1-6]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Stomach, Glandular		Erosion Hemorrhage Mineralization	Mild Mild Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 440

TRT#: 5

SEX: Female

DAY ON TEST: 579

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Marked
Eye			
Note: One optic nerve missing.			
* Heart	Epicardium	Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 440

TRT#: 5

SEX: Female

DAY ON TEST: 579

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103208

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Pigmentation Toxic Hepatopathy	Minimal Mild Mild Marked
	[Cholangiocarcinoma TGLS = 1-16] [Hyperplasia TGLS = 2,3,4-6+7+11+12+17]		
* Lung	Serosa	Cystic Keratinizing Epithelioma Fibrosis	Multiple Minimal
	[Cystic Keratinizing Epithelioma TGLS = 5,6,7,8,9-3+4+13+14+15]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Nose	Respirat Epith	Hyperplasia Inflammation	Moderate Minimal
	Olfactory Epi	Metaplasia	Mild
	Note: There was metaplasia of the olfactory epithelium to respiratory type epithelium. Note: Inflammatory exudate was present in the meatuses.		
* Ovary		Cyst	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 441

TRT#: 5

SEX: Female

DAY ON TEST: 575

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Heart	Epicardium	Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
	Bile Duct	Cyst	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 441

TRT#: 5

SEX: Female

DAY ON TEST: 575

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103209

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 4-6+7+14]			
[Hyperplasia TGLS = 1,2,3,4-6+7+12+13+14]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Serosa	Fibrosis	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Squamous, Minimal
[Cystic Keratinizing Epithelioma TGLS = 6-3+4+15+16]			
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-11]			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
Note: Inflammatory exudate was in the meatuses.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 442

TRT#: 5

SEX: Female

DAY ON TEST: 548

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 442

TRT#: 5

SEX: Female

DAY ON TEST: 548

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103210

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 2,3-7+11]			
[Hyperplasia TGLS = 1,4-6+7+12]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Metaplasia	Squamous, Marked
[Cystic Keratinizing Epithelioma TGLS = 5,6,7,8,9-3+4+13+14+15]			
Lymph Node	Mediastinal	Hemorrhage	Minimal
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
Note: Inflammatory exudate was in the meatuses.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 443

TRT#: 5

SEX: Female

DAY ON TEST: 530

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hemorrhage	Mild
	Artery	Inflammation	Chronic Active, Mild
	Meninges	Inflammation	Moderate
	Meninges, Vein	Thrombosis	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 443

TRT#: 5

SEX: Female

DAY ON TEST: 530

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103211

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
	[Hyperplasia TGLS = 1-6+7]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
	[Ectasia TGLS = 2-12]		
	[Hemorrhage TGLS = 2-12]		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
	Note: The hyperplastic oral mucosa formed a keratin-filled cyst-like structure around the tooth.		
	[Hyperplasia TGLS = 3-1+11]		
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Moderate
	[Inflammation TGLS = 3-1+11]		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 444

TRT#: 5

SEX: Female

DAY ON TEST: 639

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 444	TRT#: 5	SEX: Female	DAY ON TEST: 639
	DOSE: 216 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103212

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hyperplasia Hypertrophy Inflammation	Nodular Moderate Minimal
	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Mild Mild Marked
	[Cholangiocarcinoma TGLS = 3-13] [Hepatocellular Adenoma TGLS = 1,2,4,5-11+14] [Hyperplasia TGLS = 2,4,5-12+15]		
* Lung	Serosa	Cystic Keratinizing Epithelioma Fibrosis	Multiple Mild
	[Cystic Keratinizing Epithelioma TGLS = 6,7,8,9,10-3+4+16+17+18]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Mesentery	Artery	Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Lung	Cystic Keratinizing Epithelioma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 445

TRT#: 5

SEX: Female

DAY ON TEST: 555

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 445

TRT#: 5

SEX: Female

DAY ON TEST: 555

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103213

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Mild Mild Mild
	[Cholangiocarcinoma TGLS = 1-11] [Hyperplasia TGLS = 1,2-6+7+11]		
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular Inflammation Metaplasia	Multiple Histiocyte, Minimal Mild Bronchiolar, Minimal
	Alveolar Epith [Cystic Keratinizing Epithelioma TGLS = 3-3+4+12+13]		
	Lymph Node Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Pancreas	Acinus	Atrophy Inflammation	Minimal Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal Mild
* Spleen		Atrophy	Marked
* Thymus	Follicular Cel	Hypertrophy	Mild
* Thyroid Gland	Peridont Tiss	Inflammation	Minimal
Tooth			

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 446

TRT#: 5

SEX: Female

DAY ON TEST: 337

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	Mesentery
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Marked
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Moderate
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Minimal
		Toxic Hepatopathy	Moderate

[Fatty Change TGLS = 5-6+7+11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 446

TRT#: 5

SEX: Female

DAY ON TEST: 337

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103214

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2,3,4-6+7+11]

* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

[Cystic Keratinizing Epithelioma TGLS = 1-4]

Lymph Node	Mediastinal	Hemorrhage	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Hyperplasia	Histiocytic, Mild

[Hemorrhage TGLS = 6-6]

[Hyperplasia TGLS = 6-6]

* Nose		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 447

TRT#: 5

SEX: Female

DAY ON TEST: 674

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	Mesentery	Oral Mucosa
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Minimal
Blood Vessel			
Note: Aorta on slide 8.			
* Clitoral Gland	Duct	Cyst	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Mild
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Marked

[Cholangiocarcinoma TGLS = 2,3-11+12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 447

TRT#: 5

SEX: Female

DAY ON TEST: 674

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103215

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatocellular Adenoma TGLS = 4,6-6+15]

[Hyperplasia TGLS = 5-18]

* Lung

Alveolar Epith

Cystic Keratinizing Epithelioma
Infiltration Cellular
Metaplasia
Metaplasia

Multiple
Histiocyte, Minimal
Bronchiolar, Mild
Squamous, Mild

Note: A lung nodule was not confirmed on slide 4.

Note: TGL 1, center of mass lost in processing.

[Cystic Keratinizing Epithelioma TGLS = 1,8,9,10,11-3+13+16+17]

Lymph Node

Mediastinal

Ectasia

Minimal

* Lymph Node, Mesenteric

[Hyperplasia TGLS = 12-14]

Hyperplasia

Lymphoid, Marked

* Nose

Respirat Epith

Hyperplasia

Moderate

Olfactory Epi

Inflammation

Mild

Metaplasia

Mild

Note: Inflammatory exudate was in the meatuses.

Note: There was metaplasia of olfactory epithelium to respiratory type epithelium.

* Pancreas

Acinus

Vacuolization Cytoplasmic

Mild

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Minimal

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Follicular Cel

Hypertrophy

Mild

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[Hyperplasia TGLS = 7-10]

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 448

TRT#: 5

SEX: Female

DAY ON TEST: 373

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Esophagus	Muscularis	Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 448

TRT#: 5

SEX: Female

DAY ON TEST: 373

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103216

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 2,3-6+7+11]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 4-3+4+12+13+14]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Red Pulp	Atrophy	Mild
		Pigmentation	Minimal
[Atrophy TGLS = 1-5]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma
 CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 449

TRT#: 5

DOSE: 216 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 672

HISTO: 0103217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 11-5]			
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 449

TRT#: 5

SEX: Female

DAY ON TEST: 672

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103217

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 1-11]			
[Hepatocellular Adenoma TGLS = 5-15]			
[Hyperplasia TGLS = 4,6,7,8-6+7+14+15+16+17+18]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Metaplasia	Squamous, Moderate
[Cystic Keratinizing Epithelioma TGLS = 2,9,10-12+19+20]			
Lymph Node	Pancreatic	Hyperplasia	Histiocytic, Moderate
Note: Mediastinal is missing.			
[Hyperplasia TGLS = 13-22]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary			
Note: One ovary missing.			
* Pancreas	Duct	Dilatation	Moderate
		Edema	Mild
	Artery	Inflammation	Chronic Active, Marked
	Acinus	Vacuolization Cytoplasmic	Minimal
[Dilatation TGLS = 3-13]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Edema	Mild
		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 449

TRT#: 5

SEX: Female

DAY ON TEST: 672

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103217

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 450

TRT#: 5

SEX: Female

DAY ON TEST: 536

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 450

TRT#: 5

SEX: Female

DAY ON TEST: 536

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103218

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 1-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2,3,4-4+11+12]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Polyp Stromal TGLS = 6-10]			

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy
 CONTRIBUTORY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 451

TRT#: 5

SEX: Female

DAY ON TEST: 555

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Intestine Large, Rectum	Artery	Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Mild
* Liver		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 451

TRT#: 5

SEX: Female

DAY ON TEST: 555

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103219

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 1-6+7+11]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2-3+4+12]			
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Mild
[Hyperplasia TGLS = 3-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
[Hyperplasia TGLS = 4-14]			
Mesentery	Artery	Inflammation	Chronic Active, Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
	Olfactory Epi	Metaplasia	Minimal
Note: Inflammatory exudate was in the meatuses.			
Note: There was metaplasia of olfactory epithelium to respiratory type.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
[Hyperplasia TGLS = 5-1]			
* Ovary		Cyst	Mild
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 452

TRT#: 5

SEX: Female

DAY ON TEST: 93

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103220

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 453

TRT#: 5

SEX: Female

DAY ON TEST: 366

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103221

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 454

TRT#: 5

SEX: Female

DAY ON TEST: 496

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 454

TRT#: 5

SEX: Female

DAY ON TEST: 496

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103222

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Minimal Mild Moderate Mild Moderate
[Hyperplasia TGLS = 1,2-7+11+12]			
* Lung	Serosa	Cystic Keratinizing Epithelioma Fibrosis	Multiple Mild
[Cystic Keratinizing Epithelioma TGLS = 4,5,6-13+14+15]			
Lymph Node			
Note: Mediastinal is missing.			
Mesentery	Artery	Inflammation	Chronic Active, Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Artery	Inflammation	Chronic Active, Marked
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation Pigmentation	Mild Mild Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 455

TRT#: 5

SEX: Female

DAY ON TEST: 217

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103223

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 456

TRT#: 5

SEX: Female

DAY ON TEST: 217

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103224

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 457

TRT#: 5

SEX: Female

DAY ON TEST: 530

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	Mesentery
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
Blood Vessel	Adventitia, Aorta	Hemorrhage	Mild
	Adventitia, Aorta	Inflammation	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 457

TRT#: 5

SEX: Female

DAY ON TEST: 530

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103225

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Mild Minimal Moderate Mild Marked
	[Cholangiocarcinoma TGLS = 2,3,4-6+7+12] [Hepatocellular Adenoma TGLS = 1-11] [Hyperplasia TGLS = 5,6-6+7+12+13+14]		
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia	Multiple Histiocyte, Minimal Bronchiolar, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 7,8,9,10,12-3+15+16+17]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Lymph Node, Mesenteric		Ectasia Hyperplasia	Mild Histiocytic, Mild
	[Ectasia TGLS = 11-6] [Hyperplasia TGLS = 11-6]		
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Mild
	Note: Inflammatory exudate was in the meatuses.		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy
CONTRIBUTORY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 458

TRT#: 5

SEX: Female

DAY ON TEST: 349

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 458	TRT#: 5	SEX: Female	DAY ON TEST: 349
	DOSE: 216 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103226

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-6+7+11]			
* Lung	Serosa	Cystic Keratinizing Epithelioma Fibrosis Infiltration Cellular	Multiple Minimal Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2,3,4,5,6-3+4+12+13+14]			
Lymph Node			
Note: Mediastinal is missing.			
* Pancreas	Acinus Acinus	Atrophy Vacuolization Cytoplasmic	Minimal Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	- Lung	Cystic Keratinizing Epithelioma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 459

TRT#: 5

SEX: Female

DAY ON TEST: 166

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node	* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands
* Thyroid Gland			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: One eye cannibalized.			
* Kidney		Mineralization	Minimal
* Liver	Hepatocyte	Inflammation	Minimal
		Multinucleated	Mild
		Pigmentation	Mild
Lymph Node			
Note: Mediastinal is missing.			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 460

TRT#: 5

SEX: Female

DAY ON TEST: 366

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103228

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 461

TRT#: 5

SEX: Female

DAY ON TEST: 520

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart	Coron Artery	Inflammation	Chronic Active, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Metaplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 461

TRT#: 5

SEX: Female

DAY ON TEST: 520

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103229

ORGAN AND ACCOUNTABLE SITE STATUS

Hepatocyte

Multinucleated

Moderate

Pigmentation

Moderate

Toxic Hepatopathy

Moderate

Note: There was pancreatic metaplasia in the liver.

[Fatty Change TGLS = 3-6+7+12]

[Hyperplasia TGLS = 1,2-6+7+11+12]

* Lung

Cystic Keratinizing Epithelioma

Multiple

Serosa

Fibrosis

Mild

Infiltration Cellular

Histiocyte, Minimal

Alveolar Epith

Metaplasia

Bronchiolar, Minimal

[Cystic Keratinizing Epithelioma TGLS = 4,5,6,7,8-3+4+13+14+15]

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Mild

Oral Mucosa

Gingival

Hyperplasia

Squamous, Minimal

* Pancreas

Acinus

Vacuolization Cytoplasmic

Mild

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thymus

Pigmentation

Mild

Atrophy

Marked

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

Tooth

Peridont Tiss

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 462

TRT#: 5

SEX: Female

DAY ON TEST: 450

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 462

TRT#: 5

SEX: Female

DAY ON TEST: 450

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103230

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 1-6+7+11]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 2,3-3+12]			
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
	Pancreatic	Hemorrhage	Mild
	Pancreatic	Hyperplasia	Histiocytic, Mild
[Ectasia TGLS = 4-13]			
[Hemorrhage TGLS = 4-13]			
[Hemorrhage TGLS = 5-14]			
[Hyperplasia TGLS = 5-14]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
[Hemorrhage TGLS = 6-6]			
Mesentery	Artery	Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy
 CONTRIBUTORY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 463

TRT#: 5

SEX: Female

DAY ON TEST: 567

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
Eye			
Note: Both optic nerves missing.			
* Heart	Epicardium	Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Focal, Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 463

TRT#: 5

SEX: Female

DAY ON TEST: 567

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103231

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Mild Mild Moderate
	[Cholangiofibrosis TGLS = 2-6+7+11] [Hyperplasia TGLS = 1-6+7+11]		
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular	Multiple Histiocyte, Minimal
	Alveolar Epith	Metaplasia Metaplasia	Bronchiolar, Mild Squamous, Mild
	[Cystic Keratinizing Epithelioma TGLS = 4,5,6,7,8-12+13+14+15+16]		
Lymph Node			
	Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Moderate
* Nose	Squam Epithel	Hyperplasia Inflammation	Mild Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Cyst	Mild
	[Cyst TGLS = 3-10]		
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 464

TRT#: 5

SEX: Female

DAY ON TEST: 93

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103232

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 465

TRT#: 5

SEX: Female

DAY ON TEST: 709

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Mesentery	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 465

TRT#: 5

SEX: Female

DAY ON TEST: 709

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103233

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Pigmentation Toxic Hepatopathy	Minimal Mild Mild Moderate
	[Cholangiocarcinoma TGLS = 1,2-11+12] [Hyperplasia TGLS = 3,4-6+7+13]		
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node Note: Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Minimal
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 466

TRT#: 5

SEX: Female

DAY ON TEST: 92

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Thyroid Gland

OBSERVATIONS

* Liver

Eosinophilic Focus

Fatty Change

Diffuse, Minimal

Hepatocyte

Hypertrophy

Minimal

Inflammation

Mild

Hepatocyte

Multinucleated

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Minimal

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 467

TRT#: 5

SEX: Female

DAY ON TEST: 92

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

OBSERVATIONS

* Liver

Hepatocyte

Fatty Change

Diffuse, Minimal

Hypertrophy

Minimal

Inflammation

Mild

Mixed Cell Focus

Hepatocyte

Multinucleated

Minimal

Necrosis

Minimal

Pigmentation

Minimal

Toxic Hepatopathy

Minimal

* Thymus

Atrophy

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 468

TRT#: 5

SEX: Female

DAY ON TEST: 92

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

OBSERVATIONS

* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 469

TRT#: 5

SEX: Female

DAY ON TEST: 92

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Thyroid Gland

OBSERVATIONS

* Liver

Hepatocyte

Hypertrophy

Mild

Inflammation

Mild

Hepatocyte

Multinucleated

Minimal

Necrosis

Minimal

Pigmentation

Minimal

Toxic Hepatopathy

Minimal

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 470

TRT#: 5

SEX: Female

DAY ON TEST: 92

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Lung

* Thymus

OBSERVATIONS

* Liver

Hepatocyte

Fatty Change

Diffuse, Minimal

Hypertrophy

Minimal

Inflammation

Mild

Hepatocyte

Multinucleated

Minimal

Necrosis

Minimal

Toxic Hepatopathy

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 471

TRT#: 5

SEX: Female

DAY ON TEST: 474

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart	Epicardium	Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Moderate
		Fatty Change	Focal, Moderate
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Moderate
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 471

TRT#: 5

SEX: Female

DAY ON TEST: 474

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103239

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 1,2,3,4,5,6,7-6+7+12+13+14+15]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 8,9,10,11,12-3+4+16+17+18]			
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 472

TRT#: 5

SEX: Female

DAY ON TEST: 639

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	Oral Mucosa	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
Note: One adrenal atrophic.			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Heart	Epicardium	Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Focal, Marked
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 472

TRT#: 5

SEX: Female

DAY ON TEST: 639

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103240

ORGAN AND ACCOUNTABLE SITE STATUS

		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Moderate
	[Cholangiocarcinoma TGLS = 1-11]		
	[Hyperplasia TGLS = 2,3,4,5,6-7+12+14+15]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 7,8,9,10,11-3+4+17+18+19]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Nose	Glands	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Mild
	Olfactory Epi	Metaplasia	Moderate
	Note: There was metaplasia of olfactory epithelium to respiratory type.		
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic	Mild
	[Inflammation TGLS = 12-16]		
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 472

TRT#: 5

SEX: Female

DAY ON TEST: 639

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103240

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 473

TRT#: 5

SEX: Female

DAY ON TEST: 267

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

[Hyperplasia TGLS = 2-12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 473	TRT#: 5	SEX: Female	DAY ON TEST: 267
	DOSE: 216 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103241

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia	Multiple Histiocyte, Mild Bronchiolar, Minimal
	Alveolar Epith		
	[Cystic Keratinizing Epithelioma TGLS = 1-4+11]		
Lymph Node			
Note: Mediastinal is missing.			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 474

TRT#: 5

SEX: Female

DAY ON TEST: 93

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103242

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 475

TRT#: 5

SEX: Female

DAY ON TEST: 674

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
		[Nephropathy TGLS = 7-5]	
* Liver		Basophilic Focus	
		Cholangiocarcinoma	
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Focal, Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 475

TRT#: 5

SEX: Female

DAY ON TEST: 674

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103243

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Pigmentation Toxic Hepatopathy	Minimal Mild Mild Marked
	[Cholangiocarcinoma TGLS = 5-11] [Hepatocellular Adenoma TGLS = 1,3-14+16] [Hyperplasia TGLS = 2,4-15+17]		
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Metaplasia	Multiple Histiocyte, Mild Bronchiolar, Minimal Squamous, Mild
	[Cystic Keratinizing Epithelioma TGLS = 8,10,11,12-3+4+12+19]		
Lymph Node	Pancreatic Pancreatic	Ectasia Hyperplasia	Mild Histiocytic, Moderate
	Note: Mediastinal is missng. [Ectasia TGLS = 6-18] [Hyperplasia TGLS = 6-18]		
* Lymph Node, Mandibular		Ectasia	Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Artery	Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 9-13]		
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Artery Acinus	Inflammation Vacuolization Cytoplasmic	Chronic Active, Mild Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell Follicular Cel	Hyperplasia Hypertrophy	Minimal Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 475

TRT#: 5

SEX: Female

DAY ON TEST: 674

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103243

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		
CONTRIBUTORY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 476

TRT#: 5

SEX: Female

DAY ON TEST: 639

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	Oral Mucosa	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Both optic nerves missing.			
* Kidney		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Moderate
	Centrilobular	Degeneration	Moderate
		Fatty Change	Focal, Mild
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 476

TRT#: 5

SEX: Female

DAY ON TEST: 639

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103244

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Minimal Minimal Moderate Mild Marked
	[Cholangiocarcinoma TGLS = 2,4-12+14] [Hyperplasia TGLS = 1,2,3-11+13+14+15]		
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Metaplasia	Multiple Histiocyte, Minimal Bronchiolar, Minimal Squamous, Mild
	[Cystic Keratinizing Epithelioma TGLS = 6,7,8,9,10-3+4+16+17+18]		
Lymph Node	Mediastinal	Ectasia Hyperplasia	Minimal Plasma Cell, Mild
* Lymph Node, Mandibular		Hyperplasia	Minimal
* Mammary Gland		Inflammation	Minimal
* Nose		Vacuolization Cytoplasmic	Mild
* Pancreas	Acinus	Hematopoietic Cell Proliferation	Mild
* Spleen		Atrophy	Moderate
* Thymus		Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Polyp Stromal	
* Uterus			
	[Polyp Stromal TGLS = 5-10]		

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 477

TRT#: 5

SEX: Female

DAY ON TEST: 639

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Mild
		Pigmentation	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Hepatocyte	Glandular Structures	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocholangioma	Multiple
	Bile Duct	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 477

TRT#: 5

SEX: Female

DAY ON TEST: 639

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103245

ORGAN AND ACCOUNTABLE SITE STATUS

	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
	[Cholangiocarcinoma TGLS = 5,7-11+13]		
	[Hepatocholangioma TGLS = 7-13]		
	[Hyperplasia TGLS = 4,6,9-6+7+11+13+14]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 1,2,3-16+17+18]		
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Moderate
	Olfactory Epi	Metaplasia	Moderate
Note: There was metaplasia of olfactory epithelium to respiratory type.			
Note: Inflammatory exudate was present in the meatuses.			
Note: Hair shafts were embedded in the olfactory epithelium.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 477

TRT#: 5

SEX: Female

DAY ON TEST: 639

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103245

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Peridont Tiss	Inflammation	Moderate
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	
CONTRIBUTORY CAUSE OF DEATH	- Lung	Cystic Keratinizing Epithelioma	

Animal Note: TGL 8 = NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 478

TRT#: 5

SEX: Female

DAY ON TEST: 217

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103246

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 479

TRT#: 5

SEX: Female

DAY ON TEST: 366

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103247

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 480

TRT#: 5

SEX: Female

DAY ON TEST: 602

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Mild
Note: The intima of a coronary artery was thickened.			
* Kidney		Nephropathy	Moderate
* Liver		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Moderate
		Degeneration	Cystic, Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 480

TRT#: 5

SEX: Female

DAY ON TEST: 602

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103248

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Minimal Minimal Mild Mild Marked
	[Cholangiofibrosis TGLS = 3-12] [Hyperplasia TGLS = 3,4-6+7+11+12]		
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia	Multiple Histiocyte, Minimal Bronchiolar, Minimal
	Alveolar Epith [Cystic Keratinizing Epithelioma TGLS = 1,2-3+4]		
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Artery	Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 5-13]		
* Pancreas	Acinus Artery Acinus	Atrophy Inflammation Vacuolization Cytoplasmic	Mild Chronic Active, Minimal Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell Follicular Cel	Hyperplasia Hypertrophy	Mild Mild
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 481

TRT#: 5

SEX: Female

DAY ON TEST: 365

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Ovary
* Uterus

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

MISSING

* Thymus

OBSERVATIONS

* Liver

	Cholangiofibrosis	Moderate
Bile Duct	Cyst	Mild
	Fatty Change	Diffuse, Mild
Centrilobular	Fibrosis	Mild
Portal	Fibrosis	Mild
Bile Duct	Hyperplasia	Mild
Oval Cell	Hyperplasia	Mild
	Hyperplasia	Nodular
Hepatocyte	Hypertrophy	Marked
	Inflammation	Minimal
Hepatocyte	Multinucleated	Mild
	Pigmentation	Mild
	Toxic Hepatopathy	Moderate

[Cyst TGLS = 2-7]

[Hyperplasia TGLS = 1-6]

* Lung

Cystic Keratinizing Epithelioma
Infiltration Cellular
Histiocyte, Minimal

Alveolar Epith
Metaplasia
Bronchiolar, Mild

* Pancreas

Acinus
Vacuolization Cytoplasmic
Mild

* Spleen

Pigmentation
Minimal

* Thyroid Gland

Follicular Cell
Hypertrophy
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 482

TRT#: 5

SEX: Female

DAY ON TEST: 365

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

* Ovary
* Uterus

OBSERVATIONS

* Adrenal Cortex

Atrophy

Mild

* Liver

Hypertrophy

Minimal

Cholangiofibrosis

Minimal

Fatty Change

Diffuse, Mild

Centrilobular

Fibrosis

Mild

Portal

Fibrosis

Mild

Bile Duct

Hyperplasia

Mild

Oval Cell

Hyperplasia

Mild

Hyperplasia

Nodular

Hepatocyte

Hypertrophy

Marked

Inflammation

Minimal

Hepatocyte

Multinucleated

Moderate

Pigmentation

Moderate

Toxic Hepatopathy

Moderate

[Hyperplasia TGLS = 1-6]

* Lung

Infiltration Cellular

Histiocyte, Minimal

Alveolar Epith

Metaplasia

Bronchiolar, Minimal

Acinus

Vacuolization Cytoplasmic

Mild

* Pancreas

* Spleen

Pigmentation

Mild

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 483

TRT#: 5

SEX: Female

DAY ON TEST: 217

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103251

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 484

TRT#: 5

SEX: Female

DAY ON TEST: 93

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103252

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 485

TRT#: 5

SEX: Female

DAY ON TEST: 365

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Thyroid Gland

* Ovary
* Uterus

OBSERVATIONS

* Adrenal Cortex

Angiectasis
Minimal

Hyperplasia
Mild

Hypertrophy
Minimal

* Liver

Fatty Change
Diffuse, Mild

Centrilobular
Fibrosis
Mild

Portal
Fibrosis
Mild

Bile Duct
Hyperplasia
Mild

Oval Cell
Hyperplasia
Moderate

Hyperplasia
Nodular

Hepatocyte
Hypertrophy
Moderate

Inflammation
Mild

Hepatocyte
Multinucleated
Mild

Necrosis
Minimal

Pigmentation
Mild

Toxic Hepatopathy
Moderate

[Hyperplasia TGLS = 1,2-6+7]

* Lung

Cystic Keratinizing Epithelioma
Multiple

Infiltration Cellular
Histiocyte, Mild

Alveolar Epith
Metaplasia
Bronchiolar, Mild

[Cystic Keratinizing Epithelioma TGLS = 4,5,6-1]

* Pancreas
Acinus
Vacuolization Cytoplasmic
Minimal

* Spleen
Pigmentation
Minimal

* Stomach, Glandular
Erosion
Mild

* Thymus
Atrophy
Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 486

TRT#: 5

SEX: Female

DAY ON TEST: 217

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103254

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 487

TRT#: 5

SEX: Female

DAY ON TEST: 366

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103255

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 488

TRT#: 5

SEX: Female

DAY ON TEST: 674

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Fatty Change	Focal, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 488

TRT#: 5

SEX: Female

DAY ON TEST: 674

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103256

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Minimal
		Toxic Hepatopathy	Moderate
	[Cholangiocarcinoma TGLS = 3,4-11+12]		
	[Hyperplasia TGLS = 7,8,9,10,11-16+17+18+19+25]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Serosa	Fibrosis	Moderate
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 5,12,13,14,15,16-13+20+21+22+23+24]		
Lymph Node			
	Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLS = 6-15]		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
	Note: Hairshafts were embedded in the hyperplastic oral mucosa.		
Oviduct		Cyst	Moderate
		Inflammation	Moderate
	Note: The oviduct was dilated and contained a proteinaceous material and erythrocytes.		
	[Cyst TGLS = 1-14]		
	[Inflammation TGLS = 1-14]		
* Pancreas		Edema	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 488

TRT#: 5

SEX: Female

DAY ON TEST: 674

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103256

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-14]

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 489

TRT#: 5

SEX: Female

DAY ON TEST: 525

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Cholangiocarcinoma	
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 489

TRT#: 5

DOSE: 216 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 525

HISTO: 0103257

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Minimal Moderate Mild Moderate
	[Cholangiocarcinoma TGLS = 2-15] [Hyperplasia TGLS = 1-6+7+14+15]		
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Hyperplasia Infiltration Cellular	Multiple Minimal Histiocyte, Mild
	Note: No lung mass was found on slide 3, and no foci were found on slides 11 and 13. [Cystic Keratinizing Epithelioma TGLS = 3-4+11+12+13] [Infiltration Cellular TGLS = 4-3+4+12]		
Lymph Node	Mediastinal Mediastinal	Ectasia Hemorrhage	Mild Mild
	[Ectasia TGLS = 5-11] [Hemorrhage TGLS = 5-11]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Artery Acinus	Inflammation Vacuolization Cytoplasmic	Chronic Active, Mild Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 490

TRT#: 5

SEX: Female

DAY ON TEST: 527

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla missing.			
* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye	Cornea	Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 490

TRT#: 5

SEX: Female

DAY ON TEST: 527

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103258

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hyperplasia Hypertrophy Inflammation Metaplasia	Nodular Moderate Minimal Minimal
	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Minimal Mild Moderate
Note: There was pancreatic metaplasia in the liver. [Hyperplasia TGLS = 1-6+7+13]			
* Lung	Serosa	Cystic Keratinizing Epithelioma Fibrosis Infiltration Cellular Metaplasia	Multiple Mild Histiocyte, Minimal Bronchiolar, Minimal
	Alveolar Epith		
[Cystic Keratinizing Epithelioma TGLS = 2-3+4+11+12]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Moderate
[Hyperplasia TGLS = 3-6]			
Mesentery	Artery	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 4-14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic Hematopoietic Cell Proliferation Pigmentation	Moderate Mild Mild
* Spleen		Atrophy	Mild
* Thymus			
* Thyroid Gland	Follicular Cell	Hypertrophy	Mild
	Artery	Inflammation	Chronic Active, Moderate
Tooth	Peridont Tissue	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 491

TRT#: 5

SEX: Female

DAY ON TEST: 572

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
* Esophagus	Muscularis	Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 491	TRT#: 5 DOSE: 216 NG TEQ/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 572 HISTO: 0103259
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ORGAN AND ACCOUNTABLE SITE STATUS

	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 2,3-6+7+11]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Serosa	Fibrosis	Minimal
[Cystic Keratinizing Epithelioma TGLS = 4,5,6,7,8-3+4+12+13+14]			
Lymph Node			
Note: Mediastinal is missing.			
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate

PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma
CONTRIBUTORY CAUSE OF DEATH	- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 492

TRT#: 5

SEX: Female

DAY ON TEST: 582

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla missing.			
* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Fatty Change	Focal, Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Marked
	Portal	Fibrosis	Marked
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 492

TRT#: 5

SEX: Female

DAY ON TEST: 582

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103260

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Minimal Mild Marked
	[Cholangiocarcinoma TGLS = 6-11] [Hyperplasia TGLS = 5,7,8,9,10-6+7+13+15+16]		
* Lung		Cystic Keratinizing Epithelioma Hemorrhage Infiltration Cellular	Multiple Minimal Histiocyte, Minimal
	Alveolar Epith	Metaplasia Metaplasia	Bronchiolar, Minimal Squamous, Mild
	[Cystic Keratinizing Epithelioma TGLS = 2,3,4-3+12+17]		
Lymph Node	Mediastinal	Ectasia	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose	Glands	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia Inflammation	Moderate Mild
	Olfactory Epi	Metaplasia	Mild
	Note: Inflammatory exudate was in the meatuses. Note: There was metaplasia of olfactory epithelium to respiratory and squamous types.		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel Follicular Cel	Carcinoma Hyperplasia	Moderate
	Note: There was minimal squamous metaplasia in the follicular cell tumors. [Carcinoma TGLS = 1-8]		

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma
CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 493

TRT#: 5

SEX: Female

DAY ON TEST: 504

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hyperplasia	Mild
Note: One adrenal missing.			
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart	Coron Artery	Cardiomyopathy	Minimal
	Epicardium	Inflammation	Chronic Active, Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Mild
		Fatty Change	Diffuse, Minimal
		Fatty Change	Focal, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Hepatocyte	Glandular Structures	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 493

TRT#: 5

SEX: Female

DAY ON TEST: 504

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103261

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 1-6+7+11]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Marked
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2-3+4+12]			
Lymph Node			
Note: Mediastinal is missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 494

TRT#: 5

SEX: Female

DAY ON TEST: 479

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	Mesentery	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver		Cholangiofibrosis	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 494

TRT#: 5

SEX: Female

DAY ON TEST: 479

DOSE: 216 NG TEQ/KG

DISP: Natural Death

HISTO: 0103262

ORGAN AND ACCOUNTABLE SITE STATUS

	Pigmentation	Mild
	Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 2-6+7+12]		
* Lung	Cystic Keratinizing Epithelioma	Multiple
	Infiltration Cellular	Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3,4,5-3+13+14]		
Lymph Node		
Note: Mediastinal is missing.		
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-11]		
* Nose	Inflammation	Minimal
* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy
 CONTRIBUTORY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 495

TRT#: 5

SEX: Female

DAY ON TEST: 383

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Atrophy	Moderate
* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Mild
* Kidney		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Marked
		Fatty Change	Focal, Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 495

TRT#: 5

SEX: Female

DAY ON TEST: 383

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103263

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2,3,10-6+7+11+12]

* Lung

Alveolar Epith

Cystic Keratinizing Epithelioma
Infiltration Cellular
Metaplasia
Metaplasia

Multiple
Histiocyte, Minimal
Bronchiolar, Minimal
Squamous, Mild

[Cystic Keratinizing Epithelioma TGLS = 5,6,7,8,9-3+4+13+14+15]

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Ectasia
Hemorrhage
Hyperplasia

Mild
Minimal
Plasma Cell, Moderate

[Ectasia TGLS = 4-9]

[Hyperplasia TGLS = 4-9]

* Ovary

* Pancreas

Acinus

Acinus

Atrophy
Atrophy
Edema
Vacuolization Cytoplasmic

Moderate
Mild
Mild
Minimal

[Edema TGLS = 1-6]

* Spleen

* Stomach, Forestomach

* Thymus

* Thyroid Gland

Tooth

Follicular Cel

Peridont Tiss

Hematopoietic Cell Proliferation
Pigmentation
Hyperplasia
Atrophy
Hypertrophy
Inflammation

Moderate
Minimal
Squamous, Minimal
Marked
Minimal
Minimal

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 496

TRT#: 5

SEX: Female

DAY ON TEST: 632

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 14-10]			
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 1-5]			
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 496

TRT#: 5

DOSE: 216 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 632

HISTO: 0103264

ORGAN AND ACCOUNTABLE SITE STATUS

		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
	[Cholangiocarcinoma TGLS = 4-11]		
	[Hyperplasia TGLS = 3,5,6,7,8,16,17-6+7+12+16+17+18]		
	[Hypertrophy TGLS = 3-6+7+16+17+18+19+20]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Metaplasia	Squamous, Marked
	[Cystic Keratinizing Epithelioma TGLS = 10,11,12,13-3+4+15+21]		
Lymph Node	Renal	Ectasia	Mild
	Renal	Hemorrhage	Mild
	Renal	Hyperplasia	Mild
	Note: Mediastinal is missing.		
	[Hyperplasia TGLS = 2-15]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 9-13]		
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
	Note: Inflammatory exudate was in the meatuses.		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 496	TRT#: 5	SEX: Female	DAY ON TEST: 632
	DOSE: 216 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103264

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 15-14]

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 497

TRT#: 5

SEX: Female

DAY ON TEST: 565

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	Oral Mucosa	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart	Coron Artery	Thrombosis	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 1-5]			
* Liver		Angiectasis	Mild
		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 497

TRT#: 5

SEX: Female

DAY ON TEST: 565

DOSE: 216 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103265

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
	[Cholangiocarcinoma TGLS = 7-15]		
	[Hyperplasia TGLS = 2,3,4,5,6-6+11+14]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Serosa	Fibrosis	Mild
	[Cystic Keratinizing Epithelioma TGLS = 8,9,10,11,12-3+16+17+18+19]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Moderate
	Olfactory Epi	Metaplasia	Mild
		Ulcer	Mild
	Note: Inflammatory exudate was in the meatuses.		
	Note: There was metaplasia of olfactory epithelium to respiratory type.		
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	- Lung	Cystic Keratinizing Epithelioma	
CONTRIBUTORY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 498

TRT#: 5

SEX: Female

DAY ON TEST: 93

DOSE: 216 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103266

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 410

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	Lymph Node
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
Blood Vessel	Adventitia, Aorta	Inflammation	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Liver		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Mineralization	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 410

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103267

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1,2-6+7+11]	Toxic Hepatopathy	Marked
* Lung	Cystic Keratinizing Epithelioma Infiltration Cellular	Multiple Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3-3+4+12]		
* Lymph Node, Mandibular	Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 4-9]		
* Nose	Inflammation	Mild
* Ovary	Atrophy	Moderate
Note: One ovary missing.		
* Spleen	Pigmentation	Minimal
* Thyroid Gland	Follicular Cel Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 524

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Atrophy TGLS = 6-8]		Atrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Focal, Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Minimal
		Toxic Hepatopathy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 524

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103268

ORGAN AND ACCOUNTABLE SITE STATUS

[Cholangiocarcinoma TGLS = 3-12]			
[Hyperplasia TGLS = 4-13+14]			
[Hypertrophy TGLS = 5-6+7]			
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular	Multiple Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 7,8,9,10-4+15]			
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 12-16]			
[Hemorrhage TGLS = 12-16]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose	Respirat Epith	Hyperplasia Inflammation	Moderate Mild
Note: Inflammatory exudate was in the meatuses.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy
 CONTRIBUTORY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 503

TRT#: 6

SEX: Female

DAY ON TEST: 174

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
* Intestine Large, Rectum		Hyperplasia	Cystic, Mild
Note: There was cystic hyperplasia of the glands in the rectum. This was secondary to the rectal prolapse which was the reason the rat was sacrificed. [Hyperplasia TGLS = 1-11]			
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hemorrhage	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 503

TRT#: 6

SEX: Female

DAY ON TEST: 174

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103269

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Pigmentation

Minimal

* Thyroid Gland

Follicular Cel

Atrophy

Marked

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

- Intestine Large, Rectum Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 504

TRT#: 6

SEX: Female

DAY ON TEST: 289

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	Oral Mucosa	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Liver		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Marked
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Marked

[Hyperplasia TGLS = 3-6+7+11]

Lymph Node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 504

TRT#: 6

SEX: Female

DAY ON TEST: 289

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103270

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.

* Lymph Node, Mandibular

* Nose

* Pancreas

* Spleen

* Thymus

* Thyroid Gland

Respirat Epith

Acinus

Follicular Cel

Hyperplasia

Hyperplasia

Vacuolization Cytoplasmic

Hematopoietic Cell Proliferation

Pigmentation

Atrophy

Hypertrophy

Plasma Cell, Mild

Minimal

Minimal

Minimal

Minimal

Marked

Minimal

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 505

TRT#: 6

SEX: Female

DAY ON TEST: 245

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Moderate
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hepatocellular Adenoma TGLS = 3-6]			
[Hyperplasia TGLS = 3-6+7+11]			
Lymph Node	Mediastinal	Ectasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 505

TRT#: 6

SEX: Female

DAY ON TEST: 245

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103271

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Ectasia	Mild
* Pancreas		Edema	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 429

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Mammary Gland	Mesentery	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

[Cholangiocarcinoma TGLS = 1-11]
[Hyperplasia TGLS = 2,3-6+7+12+13]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 429

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103272

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular	Multiple Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 4,5,6,7,8-3+4+14+15]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Minimal
Note: The meatuses contained an inflammatory exudate.			
* Ovary		Atrophy Cyst	Mild Mild
* Pancreas		Edema	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 507

TRT#: 6

SEX: Female

DAY ON TEST: 545

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
	Bile Duct	Dilatation	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 507

TRT#: 6

SEX: Female

DAY ON TEST: 545

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103273

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
	[Cholangiocarcinoma TGLS = 5,6-18+19]		
	[Hyperplasia TGLS = 1,2,3,4,7-6+7+15+16+17]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Artery	Thrombosis	Mild
	Note: The thrombi were organized and some were mineralized.		
	[Cystic Keratinizing Epithelioma TGLS = 11,12,13,14,15-3+4+12+13]		
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Minimal
	Renal	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Pigmentation	Mild
	[Hemorrhage TGLS = 10-11]		
	[Hyperplasia TGLS = 8-14]		
	[Pigmentation TGLS = 10-11]		
* Nose	Squam Epithel	Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Cholangiocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 508

TRT#: 6

SEX: Female

DAY ON TEST: 313

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Intestine Small, Duodenum	* Stomach, Forestomach	* Stomach, Glandular
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OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Cholangiofibrosis	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
	[Hyperplasia TGLS = 1,2-6+7+11+12]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
	[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7-3+4+13+14+15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 508

TRT#: 6

SEX: Female

DAY ON TEST: 313

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103274

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 342

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 509

TRT#: 6

DOSE: 360 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 342

HISTO: 0103275

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Minimal Mild Mild Marked
	[Hepatocellular Adenoma TGLS = 1-11] [Hyperplasia TGLS = 2,3-6+7+16+17]		
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia	Histiocyte, Minimal Squamous, Mild
	[Cystic Keratinizing Epithelioma TGLS = 6-15]		
Lymph Node	Mediastinal Pancreatic	Ectasia Hyperplasia	Mild Histiocytic, Moderate
	[Ectasia TGLS = 5-13] [Hyperplasia TGLS = 7-14]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Skin		Hemorrhage Inflammation	Mild Mild
	[Hemorrhage TGLS = 4-12] [Inflammation TGLS = 4-12]		
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 510

TRT#: 6

DOSE: 360 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 362

HISTO: 0103276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Mesentery	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
* Heart	Epicardium	Inflammation	Mild
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Moderate
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 3-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 4,5,6,7,8-4+12+13+14+15]			
Lymph Node	Mediastinal	Ectasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 510

TRT#: 6

SEX: Female

DAY ON TEST: 362

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103276

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 9-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 511

TRT#: 6

SEX: Female

DAY ON TEST: 267

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Pituitary Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Liver		Cholangiofibrosis	Moderate
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 511

TRT#: 6

SEX: Female

DAY ON TEST: 267

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103277

ORGAN AND ACCOUNTABLE SITE STATUS

[Cholangiofibrosis TGLS = 3-11]

[Hyperplasia TGLS = 4,5-6+7+12+13]

Lymph Node	Mediastinal	Ectasia	Minimal
* Pancreas		Edema	Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Mineralization	Minimal
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 512

TRT#: 6

SEX: Female

DAY ON TEST: 336

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGSL = 1-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 512

TRT#: 6

SEX: Female

DAY ON TEST: 336

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103278

ORGAN AND ACCOUNTABLE SITE STATUS

[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7-11+12+13+14+15]

Lymph Node	Mediastinal	Ectasia	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 513

TRT#: 6

SEX: Female

DAY ON TEST: 267

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart	Epicardium	Hemorrhage	Mild
	Myocardium	Hemorrhage	Mild
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Marked
	Hepatocyte	Glandular Structures	Marked
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

[Hyperplasia TGLS = 2-11]

Lymph Node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 513

TRT#: 6

SEX: Female

DAY ON TEST: 267

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103279

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.

* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Pancreas		Edema	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Stomach, Glandular		Hemorrhage	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 514

TRT#: 6

SEX: Female

DAY ON TEST: 362

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
	Epicardium	Inflammation	Mild
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

[Hyperplasia TGLS = 1-6+7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 514

TRT#: 6

SEX: Female

DAY ON TEST: 362

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103280

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia	Multiple Histiocyte, Minimal Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 2,3,4,5,6-4+11+12+13+14]			
Lymph Node	Mediastinal	Ectasia	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 515

TRT#: 6

SEX: Female

DAY ON TEST: 504

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 515

TRT#: 6

SEX: Female

DAY ON TEST: 504

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103281

ORGAN AND ACCOUNTABLE SITE STATUS

	[Cholangiocarcinoma TGLS = 2-11] [Hyperplasia TGLS = 3-6+7]		
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Hyperplasia Infiltration Cellular	Multiple Minimal Histiocyte, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 4-4+12+13+14+15]		
Lymph Node	Mediastinal	Ectasia	Mild
* Nose	Respirat Epith	Hyperplasia Inflammation	Minimal Minimal
* Ovary		Cyst	Mild
	[Cyst TGLS = 1-10]		
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell Follicular Cel	Hyperplasia Hypertrophy	Mild Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Uterus	Vagina	

OBSERVATIONS

* Liver	Hepatocyte	Fatty Change	Diffuse, Minimal
		Hypertrophy	Moderate
		Inflammation	Moderate
	Hepatocyte	Multinucleated	Moderate
		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 517

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Thymus	* Uterus	Vagina

OBSERVATIONS

* Liver	Hepatocyte	Fatty Change	Diffuse, Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Spleen		Pigmentation	Mild
* Stomach, Glandular		Atypia Cellular	Focal, Moderate
Note: The finding in the glandular stomach was not located near the limiting ridge and had characteristics considered most compatible with a choristoma.			
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 518

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Uterus	Vagina

OBSERVATIONS

* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 519

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Thyroid Gland	* Uterus	Vagina	

OBSERVATIONS

* Liver	Centrilobular	Degeneration	Minimal
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Mild
* Spleen		Pigmentation	Mild
* Stomach, Glandular		Cyst	Squamous, Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 520

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Islets, Pancreatic

* Mammary Gland

* Ovary

* Pancreas

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

* Thyroid Gland

* Uterus

Vagina

OBSERVATIONS

* Liver

Hepatocyte

Fatty Change

Diffuse, Mild

Hypertrophy

Mild

Inflammation

Mild

Hepatocyte

Multinucleated

Minimal

Pigmentation

Minimal

Toxic Hepatopathy

Minimal

* Lung

Hemorrhage

Minimal

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Mild

* Spleen

Pigmentation

Mild

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 521

TRT#: 6

SEX: Female

DAY ON TEST: 383

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Mild
* Bone Marrow		Leukemia Granulocytic	
* Clitoral Gland	Duct	Cyst	Moderate
* Heart	Epicardium	Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Moderate
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Leukemia Granulocytic	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 521	TRT#: 6	SEX: Female	DAY ON TEST: 383
	DOSE: 360 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103287

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-11+12]	Toxic Hepatopathy	Marked
* Lung	Cystic Keratinizing Epithelioma Infiltration Cellular	Multiple Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2,3,4,5,6-3+4+13+14+15]		
Lymph Node		
Note: Mediastinal is missing.		
* Lymph Node, Mandibular	Leukemia Granulocytic	
* Ovary	Atrophy	Marked
* Pancreas	Acinus Vacuolization Cytoplasmic	Minimal
* Spleen	Leukemia Granulocytic	
* Thymus	Leukemia Granulocytic	

PRIMARY CAUSE OF DEATH	- Bone Marrow Leukemia Granulocytic
CONTRIBUTORY CAUSE OF DEATH	- Liver Toxic Hepatopathy;Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 356

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	Mesentery	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 356

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103288

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 453

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
[Cyst TGLS = 1-10]			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 523

TRT#: 6

DOSE: 360 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 453

HISTO: 0103289

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Mild Mild Marked
[Hyperplasia TGLS = 3,4-6+7+13]			
* Lung	Serosa	Cystic Keratinizing Epithelioma Fibrosis Infiltration Cellular Metaplasia	Multiple Mild Histiocyte, Minimal Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 7,8,9,10,11-3+4+14+15]			
[Fibrosis TGLS = 6-3]			
Lymph Node	Pancreatic Pancreatic	Hemorrhage Hyperplasia	Mild Histiocytic, Mild
Note: Mediastinal is missing.			
[Hemorrhage TGLS = 5-12]			
[Hyperplasia TGLS = 5-12]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Cyst	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic Hematopoietic Cell Proliferation	Moderate Mild
* Spleen		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung	Cystic Keratinizing Epithelioma	
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hyperplasia	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 524

TRT#: 6

SEX: Female

DAY ON TEST: 300

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103290

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Infiltration Cellular	Histiocyte, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 3,4-13+14]	Metaplasia	Bronchiolar, Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hemorrhage	Minimal
* Lymph Node, Mandibular		Hemorrhage	Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 525

TRT#: 6

SEX: Female

DAY ON TEST: 203

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart	Coron Artery	Inflammation	Chronic Active, Moderate
	Myocardium	Necrosis	Moderate
	Atrium	Thrombosis	Moderate
	Ventricle	Thrombosis	Moderate
* Kidney		Infarct	Moderate
		Inflammation	Suppurative, Minimal
		Nephropathy	Minimal
[Infarct TGLS = 3-17]			
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Minimal
	Bile Duct	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 525	TRT#: 6	SEX: Female	DAY ON TEST: 203
	DOSE: 360 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103291

ORGAN AND ACCOUNTABLE SITE STATUS

	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
	[Hyperplasia TGLS = 1,2-6+7+15+16]		
* Lung		Hemorrhage	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Heart Myocardium Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 222

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Bone Marrow		Atrophy	Mild
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 3-9]			
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Fatty Change TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 222

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103292

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Hemorrhage TGLS = 4-12]	Mediastinal	Hemorrhage	Mild
* Mammary Gland [Fibroadenoma TGLS = 1-11]		Fibroadenoma	
Oral Mucosa [Hyperplasia TGLS = 5-1]	Gingival	Hyperplasia	Squamous, Marked
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Necrosis	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 527

TRT#: 6

SEX: Female

DAY ON TEST: 452

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
Mesentery	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Focal, Moderate
		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Marked
	Hepatocyte	Glandular Structures	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Metaplasia	Mild
		Necrosis	Moderate
		Toxic Hepatopathy	Marked

Note: There was pancreatic metaplasia in the liver.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 527

TRT#: 6

SEX: Female

DAY ON TEST: 452

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103293

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-6+7+11]			
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia	Multiple Histiocyte, Minimal Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 2,3,4-3+12+13]			
Lymph Node	Mediastinal Mediastinal	Ectasia Hemorrhage	Mild Mild
[Ectasia TGLS = 5-3]			
[Hemorrhage TGLS = 5-3]			
* Lymph Node, Mandibular		Hemorrhage	Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
Note: The hyperplastic oral mucosa formed a cavity with the adjacent tooth that contained inflammatory cells and hair shafts.			
* Pancreas	Acinus	Atrophy Inflammation	Moderate Chronic Active, Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma
CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 528

TRT#: 6

SEX: Female

DAY ON TEST: 513

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 528

TRT#: 6

SEX: Female

DAY ON TEST: 513

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103294

ORGAN AND ACCOUNTABLE SITE STATUS

		Metaplasia	Mild
		Mixed Cell Focus	
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
Note: Pancreatic metaplasia occurred to cells in the liver. [Hyperplasia TGLS = 1-6+7+11]			
* Lung	Serosa	Cystic Keratinizing Epithelioma	Multiple
		Fibrosis	Mild
[Cystic Keratinizing Epithelioma TGLS = 4-3+4+14+15]			
Lymph Node	Pancreatic	Hyperplasia	Histiocytic, Mild
Note: Mediastinal is missing. [Hyperplasia TGLS = 5-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Ovary		Cyst	Mild
[Cyst TGLS = 2-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 529

TRT#: 6

SEX: Female

DAY ON TEST: 504

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 3-10]			
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 529

TRT#: 6

DOSE: 360 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 504

HISTO: 0103295

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation	Minimal
		Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

[Cholangiocarcinoma TGLS = 1-11]

[Hyperplasia TGLS = 2-12]

* Lung

[Cystic Keratinizing Epithelioma TGLS = 4-13]

Cystic Keratinizing Epithelioma Multiple

Lymph Node

Note: Mediastinal is missing.

* Pancreas

Artery

Inflammation Chronic Active, Moderate

Acinus

Vacuolization Cytoplasmic Minimal

* Spleen

Pigmentation Minimal

* Thymus

Atrophy Marked

* Thyroid Gland

Follicular Cel

Hyperplasia Mild

Follicular Cel

Hypertrophy Mild

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 530

TRT#: 6

SEX: Female

DAY ON TEST: 278

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Adrenal Medulla	* Pituitary Gland
-------------------	-------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Marked
	Hepatocyte	Glandular Structures	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 3-6+7+11]			
* Lung		Cystic Keratinizing Epithelioma	
[Cystic Keratinizing Epithelioma TGLS = 5-12]			
Lymph Node	Mediastinal	Hemorrhage	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 530

TRT#: 6

SEX: Female

DAY ON TEST: 278

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103296

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy Edema Inflammation	Mild Mild Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hemorrhage Hypertrophy	Moderate Marked
	[Hemorrhage TGLS = 4-8]		
	[Hypertrophy TGLS = 4-8]		

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 243

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Hepatocyte	Glandular Structures	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Toxic Hepatopathy	Marked
[Angiectasis TGLS = 1-11]			
[Hyperplasia TGLS = 2-6+7+12]			
* Lung		Inflammation	Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Pancreatic	Hemorrhage	Mild
[Hemorrhage TGLS = 3-13]			
* Pancreas		Edema	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 243

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103297

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 532

TRT#: 6

SEX: Female

DAY ON TEST: 267

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Brain		Hemorrhage	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

[Fatty Change TGLS = 2-6+7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 532	TRT#: 6	SEX: Female	DAY ON TEST: 267
	DOSE: 360 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103298

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 1-6+7]			
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 4-4]			
Lymph Node	Mediastinal Mediastinal	Ectasia Hemorrhage	Minimal Mild
* Lymph Node, Mandibular		Hyperplasia Pigmentation	Plasma Cell, Mild Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Brain Hemorrhage
CONTRIBUTORY CAUSE OF DEATH	- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 233

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
* Intestine Large, Cecum		Inflammation	Mild
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Marked
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

[Hyperplasia TGLS = 4-12]

Lymph Node

Note: Mediastinal is missing.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 233

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103299

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Hemorrhage	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-11]			
* Pancreas	Acinus	Atrophy	Minimal
		Edema	Mild
		Inflammation	Chronic Active, Mild
* Stomach, Glandular		Hemorrhage	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 534	TRT#: 6	SEX: Female	DAY ON TEST: 406
	DOSE: 360 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103300

ORGAN AND ACCOUNTABLE SITE STATUS

Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3,4-3+12]		
Lymph Node		
Note: Mediastinal is missing.		
* Lymph Node, Mandibular	Hyperplasia	Plasma Cell, Mild
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-11]		
Oral Mucosa	Gingival	Squamous, Mild
* Pancreas	Acinus	Mild
* Spleen		
* Stomach, Glandular		
* Thymus		
* Thyroid Gland	Follicular Cel	Mild

PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy
CONTRIBUTORY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 535

TRT#: 6

SEX: Female

DAY ON TEST: 338

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart	Coron Artery	Inflammation	Chronic Active, Mild
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Marked
	Hepatocyte	Glandular Structures	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
		Metaplasia	Mild
		Necrosis	Mild
		Toxic Hepatopathy	Marked

Note: There was pancreatic metaplasia in the liver.

[Hyperplasia TGLS = 2-6+7]

[Hypertrophy TGLS = 3-6+7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 535	TRT#: 6	SEX: Female	DAY ON TEST: 338
	DOSE: 360 NG TEQ/KG	DISP: Natural Death	HISTO: 0103301

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 1-6+7]			
* Lung		Cystic Keratinizing Epithelioma Hemorrhage	Multiple Minimal
[Cystic Keratinizing Epithelioma TGLS = 5,6,7-3+11+12]			
Lymph Node	Mediastinal	Hemorrhage	Mild
* Ovary		Atrophy	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Lung	Cystic Keratinizing Epithelioma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 536

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Islets, Pancreatic

* Mammary Gland

* Ovary

* Pancreas

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

* Uterus

Vagina

OBSERVATIONS

* Liver

Hepatocyte

Fatty Change

Diffuse, Minimal

Hypertrophy

Mild

Inflammation

Mild

Hepatocyte

Multinucleated

Mild

Pigmentation

Minimal

Toxic Hepatopathy

Minimal

* Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Minimal

* Spleen

Pigmentation

Mild

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 537

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Uterus	Vagina

OBSERVATIONS

* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 538

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Islets, Pancreatic

* Mammary Gland

* Ovary

* Pancreas

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

* Uterus

Vagina

OBSERVATIONS

* Liver

Hepatocyte

Fatty Change

Diffuse, Minimal

Hypertrophy

Mild

Inflammation

Mild

Hepatocyte

Multinucleated

Mild

Pigmentation

Minimal

Toxic Hepatopathy

Minimal

* Lung

Alveolar Epith

Hyperplasia

Minimal

Inflammation

Minimal

* Spleen

Pigmentation

Mild

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 539

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Uterus	Vagina

OBSERVATIONS

* Liver	Hepatocyte	Fatty Change	Diffuse, Mild
		Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 540

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Ovary
* Stomach, Glandular

* Adrenal Medulla
* Pancreas
* Uterus

* Islets, Pancreatic
* Pituitary Gland
Vagina

* Mammary Gland
* Stomach, Forestomach

OBSERVATIONS

* Liver	Hepatocyte	Fatty Change Hypertrophy Inflammation	Diffuse, Minimal Mild Mild
	Hepatocyte	Multinucleated Pigmentation	Mild Minimal
* Lung		Inflammation	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 541

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

* Ovary
* Uterus

OBSERVATIONS

* Adrenal Cortex
* Liver

Centrilobular
Portal
Bile Duct
Oval Cell

Hepatocyte
Hepatocyte

Atrophy
Fatty Change
Fibrosis
Fibrosis
Hyperplasia
Hyperplasia
Hyperplasia
Hypertrophy
Inflammation
Multinucleated
Pigmentation
Toxic Hepatopathy

Cystic Keratinizing Epithelioma

Vacuolization Cytoplasmic
Pigmentation
Atrophy
Hypertrophy

Mild
Diffuse, Minimal
Moderate
Moderate
Mild
Mild
Nodular
Marked
Mild
Mild
Mild
Moderate

[Hyperplasia TGLS = 1-6]

* Lung

[Cystic Keratinizing Epithelioma TGLS = 2-7]

* Pancreas
* Spleen
* Thymus
* Thyroid Gland

Acinus
Follicular Cel

Minimal
Minimal
Marked
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 542

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland	* Ovary
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Uterus	Vagina		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 1-6]			
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 543

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Ovary
* Thyroid Gland

* Islets, Pancreatic
* Pituitary Gland
* Uterus

* Lung
* Stomach, Forestomach
Vagina

* Mammary Gland
* Stomach, Glandular

OBSERVATIONS

* Adrenal Cortex

Angiectasis

Minimal

* Liver

Atrophy

Mild

Fatty Change

Diffuse, Mild

Centrilobular

Fibrosis

Mild

Bile Duct

Hyperplasia

Minimal

Oval Cell

Hyperplasia

Minimal

Hyperplasia

Nodular

Hepatocyte

Hypertrophy

Marked

Inflammation

Minimal

Hepatocyte

Multinucleated

Mild

Pigmentation

Mild

Toxic Hepatopathy

Mild

* Pancreas

Acinus

Atrophy

Minimal

Acinus

Vacuolization Cytoplasmic

Mild

* Spleen

Pigmentation

Mild

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 544

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

* Ovary
* Uterus

OBSERVATIONS

* Adrenal Cortex

Atrophy

Mild

* Liver

Hypertrophy
Eosinophilic Focus
Fatty Change

Mild
Multiple
Diffuse, Minimal

Centrilobular

Fibrosis

Mild

Bile Duct

Hyperplasia

Minimal

Oval Cell

Hyperplasia

Minimal

Hepatocyte

Hypertrophy

Moderate

Inflammation

Mild

Hepatocyte

Multinucleated

Moderate

Pigmentation

Moderate

Toxic Hepatopathy

Mild

* Lung

Alveolar Epith

Metaplasia

Bronchiolar, Minimal

* Pancreas

Acinus

Atrophy

Minimal

Inflammation

Chronic Active, Minimal

Acinus

Vacuolization Cytoplasmic

Minimal

Pigmentation

Minimal

* Spleen

* Thymus

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 545

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Ovary
* Uterus

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

OBSERVATIONS

* Liver		Cholangiofibrosis	Minimal
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
* Lung		Inflammation	Granulomatous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 546

TRT#: 6

SEX: Female

DAY ON TEST: 209

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Atrophy	Moderate
* Brain		Hemorrhage	Moderate
* Liver		Cholangiofibrosis	Minimal
	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Moderate
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 2-11]			
* Lymph Node, Mandibular		Hemorrhage	Mild
		Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 546

TRT#: 6

SEX: Female

DAY ON TEST: 209

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103312

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 1-9]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-6]			
* Ovary		Cyst	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
	Red Pulp	Atrophy	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Brain	Hemorrhage	
CONTRIBUTORY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 547

TRT#: 6

SEX: Female

DAY ON TEST: 226

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Atrophy	Mild
* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

[Degeneration TGLS = 1-6+7+11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 547

TRT#: 6

SEX: Female

DAY ON TEST: 226

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103313

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 2-12]			
* Lymph Node, Mandibular		Hemorrhage	Mild
* Nose		Inflammation	Minimal
* Spleen	Red Pulp	Atrophy	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

- Brain Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 548

TRT#: 6

DOSE: 360 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 636

HISTO: 0103314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
Note: One adrenal was atrophic.			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Esophagus	Muscularis	Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Epicardium	Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Angiectasis	Mild
		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Minimal
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 548

TRT#: 6

DOSE: 360 NG TEQ/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 636

HISTO: 0103314

ORGAN AND ACCOUNTABLE SITE STATUS

		Hematopoietic Cell Proliferation	Minimal
		Hepatocholangioma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Mild
		Thrombosis	Mild
		Toxic Hepatopathy	Marked
	[Cholangiocarcinoma TGLS = 3,4,6-12+13+15]		
	[Hyperplasia TGLS = 5,7-14+16]		
* Lung		Cystic Keratinizing Epithelioma	
	[Cystic Keratinizing Epithelioma TGLS = 9-3]		
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	[Hemorrhage TGLS = 8-11]		
	[Hyperplasia TGLS = 8-11]		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild
		Thrombosis	Mild
	[Hyperplasia TGLS = 1-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 548

TRT#: 6

SEX: Female

DAY ON TEST: 636

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103314

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 549

TRT#: 6

SEX: Female

DAY ON TEST: 611

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye	Retina	Atrophy	Mild
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Minimal
	Portal	Fibrosis	Marked
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Marked
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 549

TRT#: 6

DOSE: 360 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 611

HISTO: 0103315

ORGAN AND ACCOUNTABLE SITE STATUS

Hepatocyte	Hypertrophy	Marked
	Inflammation	Mild
	Metaplasia	Mild
	Mixed Cell Focus	
Hepatocyte	Multinucleated	Minimal
	Necrosis	Mild
	Pigmentation	Mild
	Toxic Hepatopathy	Marked

Note: Pancreatic metaplasia occurred in the liver.

[Cholangiocarcinoma TGLS = 6-16]

[Hepatocellular Adenoma TGLS = 2,3,6-12+13+16]

[Hyperplasia TGLS = 1,2,3,4,5-11+12+13+14+15]

* Lung

Artery, Mediastinum

Cystic Keratinizing Epithelioma
Inflammation
Metaplasia

Multiple
Chronic Active, Moderate
Squamous, Marked

Note: Inflammation is present in the Mediastinal Artery of the Lung.

[Cystic Keratinizing Epithelioma TGLS = 9, 10, 11, 12-3+18+19+20]

Lymph Node

Mediastinal
Mediastinal
Renal

Ectasia
Hyperplasia
Hyperplasia

Mild
Histiocytic, Mild
Histiocytic, Moderate

[Ectasia TGLS = 8-3]

[Hyperplasia TGLS = 7-17]

[Hyperplasia TGLS = 8-3]

Mesentery

Artery

Inflammation

Chronic Active, Minimal

Oral Mucosa

Gingival

Hyperplasia

Squamous, Mild

* Ovary

Cyst

Mild

* Pancreas

Artery

Inflammation

Chronic Active, Mild

Acinus

Vacuolization Cytoplasmic

Mild

* Spleen

Hematopoietic Cell Proliferation

Minimal

Artery

Inflammation

Chronic Active, Moderate

Pigmentation

Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 549

TRT#: 6

SEX: Female

DAY ON TEST: 611

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103315

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Hyperplasia

Squamous, Mild

* Thymus

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

Tooth

Peridont Tiss

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 550

TRT#: 6

SEX: Female

DAY ON TEST: 423

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hyperplasia	Moderate
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Minimal
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 550

TRT#: 6

SEX: Female

DAY ON TEST: 423

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103316

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Pigmentation Toxic Hepatopathy	Mild Minimal Mild Marked
	[Cholangiocarcinoma TGLS = 3-12] [Hyperplasia TGLS = 1-6+7+11]		
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Hyperplasia Metaplasia	Multiple Minimal Squamous, Moderate
	[Cystic Keratinizing Epithelioma TGLS = 2-3+4+13+14+15]		
Lymph Node			
	Note: Mediastinal is missing.		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
	Note: The hyperplastic oral mucosa formed a cavity with the adjacent tooth that contained inflammatory cells and hair shafts.		
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 4-10]		

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 551

TRT#: 6

SEX: Female

DAY ON TEST: 482

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

[Hyperplasia TGLS = 1-12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 551	TRT#: 6	SEX: Female	DAY ON TEST: 482
	DOSE: 360 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103317

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular	Multiple Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7-3+4+13+14+15]			
Lymph Node			
Note: Mediastinal is missing.			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-11]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH	- Lung	Cystic Keratinizing Epithelioma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 552

TRT#: 6

SEX: Female

DAY ON TEST: 289

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Atrophy	Mild
		Hyperplasia	Moderate
* Brain		Hemorrhage	Minimal
* Clitoral Gland		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
	Coron Artery	Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Mild
	Centrilobular	Degeneration	Minimal
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 552

TRT#: 6

SEX: Female

DAY ON TEST: 289

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103318

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Moderate
[Fatty Change TGLS = 3-6+7]			
[Hyperplasia TGLS = 4-11]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 7-3]			
[Hyperplasia TGLS = 6-12]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 553

TRT#: 6

SEX: Female

DAY ON TEST: 254

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	Eye	Harderian Gland	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Esophagus	Muscularis	Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Intestine Large, Cecum		Edema	Mild
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

[Hyperplasia TGLS = 4,5-6+7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 553

TRT#: 6

SEX: Female

DAY ON TEST: 254

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103319

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hemorrhage	Moderate
* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Pancreas		Edema	Mild
[Edema TGLS = 3-6]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 554

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
Note: Only one adrenal present.			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Focal, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
	[Fatty Change TGLS = 7-6+7]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
	[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5,9-4+11+12+13+14+15]		
Lymph Node	Mediastinal	Ectasia	Mild
Mesentery	Artery	Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 554	TRT#: 6	SEX: Female	DAY ON TEST: 456
	DOSE: 360 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103320

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 8-10]		Cyst	Moderate
* Pancreas	Acinus	Atrophy Edema	Minimal Minimal
	Artery	Inflammation Inflammation	Chronic Active, Minimal Chronic Active, Minimal
* Pituitary Gland	Acinus Pars Distalis	Vacuolization Cytoplasmic Hyperplasia	Mild Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma
CONTRIBUTORY CAUSE OF DEATH	- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 555

TRT#: 6

SEX: Female

DAY ON TEST: 279

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Bone Marrow		Atrophy	Moderate
* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Moderate
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
[Fatty Change TGLS = 2-6+7+11]			
[Hyperplasia TGLS = 1-6+7+11]			
* Lung		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 555

TRT#: 6

SEX: Female

DAY ON TEST: 279

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103321

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Hemorrhage	Moderate
	Pancreatic	Hemorrhage	Mild
[Hemorrhage TGLS = 4-13]			
[Hemorrhage TGLS = 3-12]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 556

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

* Ovary
Vagina

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex
* Liver

Atrophy
Eosinophilic Focus

Mild

Centrilobular

Fibrosis

Moderate

Portal

Fibrosis

Mild

Bile Duct

Hyperplasia

Minimal

Oval Cell

Hyperplasia

Mild

Hepatocyte

Hypertrophy

Moderate

Inflammation

Minimal

Hepatocyte

Multinucleated

Mild

Pigmentation

Moderate

Toxic Hepatopathy

Moderate

* Lung

Cystic Keratinizing Epithelioma

Alveolar Epith

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Minimal

Metaplasia

Squamous, Minimal

[Cystic Keratinizing Epithelioma TGLS = 1-1]

* Pancreas

Acinus

Vacuolization Cytoplasmic

Minimal

* Spleen

Pigmentation

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

* Uterus

Hemangioma

[Hemangioma TGLS = 2-4]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 557

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Pituitary Gland
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Mammary Gland
* Stomach, Glandular

* Ovary
* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex
* Liver

Atrophy
Fatty Change

Mild
Diffuse, Minimal

Centrilobular
Portal
Bile Duct
Oval Cell

Fibrosis
Fibrosis
Hyperplasia
Hyperplasia

Mild
Mild
Minimal
Minimal

Hepatocyte
Hepatocyte

Hyperplasia
Hypertrophy
Inflammation
Multinucleated
Pigmentation
Toxic Hepatopathy

Nodular
Moderate
Minimal
Moderate
Moderate
Moderate

[Hyperplasia TGLS = 1-6]

* Lung

Cystic Keratinizing Epithelioma
Infiltration Cellular
Inflammation
Metaplasia

Multiple
Histiocyte, Minimal
Granulomatous, Mild
Bronchiolar, Mild

[Cystic Keratinizing Epithelioma TGLS = 2,3-7]

* Pancreas
* Spleen
* Thyroid Gland

Acinus
Follicular Cel

Vacuolization Cytoplasmic
Pigmentation
Hypertrophy

Minimal
Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 558

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	Vagina		

OBSERVATIONS

* Liver		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 559

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Ovary
* Thyroid Gland

* Islets, Pancreatic
* Pituitary Gland
* Uterus

* Lung
* Stomach, Forestomach
Vagina

* Mammary Gland
* Stomach, Glandular

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex
* Liver

Atrophy
Eosinophilic Focus
Fatty Change
Fibrosis
Hyperplasia
Hyperplasia
Hypertrophy
Inflammation
Multinucleated
Pigmentation
Toxic Hepatopathy
Vacuolization Cytoplasmic
Pigmentation

Minimal
Multiple
Diffuse, Minimal
Mild
Minimal
Minimal
Moderate
Minimal
Moderate
Moderate
Moderate
Minimal
Mild

* Pancreas
* Spleen
Centrilobular
Bile Duct
Oval Cell
Hepatocyte
Hepatocyte
Acinus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 560

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: 360 NG TEQ/KG

DISP: Scheduled Sacrifice

HISTO: 0103326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Ovary
Vagina

* Islets, Pancreatic
* Stomach, Forestomach

* Lung
* Stomach, Glandular

* Mammary Gland
* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex
* Liver

Atrophy
Eosinophilic Focus
Fatty Change
Fibrosis

Minimal
Multiple
Diffuse, Moderate

Centrilobular
Bile Duct
Oval Cell
Hepatocyte

Hyperplasia
Hyperplasia
Hypertrophy
Inflammation

Mild
Minimal
Minimal
Marked

Hepatocyte

Multinucleated
Pigmentation
Toxic Hepatopathy

Mild
Mild
Moderate

* Pancreas

Inflammation
Vacuolization Cytoplasmic

Chronic Active, Minimal

Acinus

* Pituitary Gland

Cyst
Cytoplasmic Alteration

Minimal
Mild

* Spleen

Pigmentation

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy
Inflammation

Marked
Chronic Active, Moderate

[Hypertrophy TGLS = 1-6]

[Inflammation TGLS = 1-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 561

TRT#: 6

SEX: Female

DAY ON TEST: 294

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Minimal
Blood Vessel	Adventitia, Aorta	Hemorrhage	Mild
	Adventitia, Aorta	Inflammation	Mild
* Bone Marrow		Hyperplasia	Mild
* Brain		Hemorrhage	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart	Myocardium	Hemorrhage	Mild
	Myocardium	Inflammation	Mild
	Myocardium	Necrosis	Mild
* Liver		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 561	TRT#: 6	SEX: Female	DAY ON TEST: 294
	DOSE: 360 NG TEQ/KG	DISP: Natural Death	HISTO: 0103327

ORGAN AND ACCOUNTABLE SITE STATUS

Hepatocyte		Hypertrophy	Marked
		Inflammation	Mild
		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 2,3,4,5-6+7+12+13+14]			
Lymph Node	Mediastinal	Hemorrhage	Minimal
* Pancreas		Edema	Mild
		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 562

TRT#: 6

SEX: Female

DAY ON TEST: 321

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Atrophy	Moderate
* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
	Myocardium	Hemorrhage	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

[Hyperplasia TGLS = 1-6+7+14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 562

TRT#: 6

SEX: Female

DAY ON TEST: 321

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103328

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Cystic Keratinizing Epithelioma Hemorrhage Infiltration Cellular	Multiple Minimal Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2,4-11+12]			
Lymph Node	Mediastinal Mediastinal	Ectasia Hemorrhage	Mild Mild
[Ectasia TGLS = 5-13]			
* Lymph Node, Mandibular		Hemorrhage Hyperplasia	Mild Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Pancreas		Edema	Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 563

TRT#: 6

SEX: Female

DAY ON TEST: 267

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Intestine Large, Cecum		Edema	Mild
		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Moderate
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 3-6+7]			
* Lung		Cystic Keratinizing Epithelioma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 563	TRT#: 6	SEX: Female	DAY ON TEST: 267
	DOSE: 360 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103329

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
Mesentery [Inflammation TGLS = 4-11]	Artery	Inflammation	Chronic Active, Moderate
* Pancreas		Edema	Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Glandular [Cyst TGLS = 5-12]	Glands	Cyst	Moderate
* Thymus		Atrophy	Marked
	Artery	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 564

TRT#: 6

SEX: Female

DAY ON TEST: 478

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Brain		Mineralization	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
* Heart	Epicardium	Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Marked
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 1,2-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
[Cystic Keratinizing Epithelioma TGLS = 3-4+11+12+13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 564

TRT#: 6

SEX: Female

DAY ON TEST: 478

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103330

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Hemorrhage	Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Edema	Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		
CONTRIBUTORY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 565

TRT#: 6

SEX: Female

DAY ON TEST: 217

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Atrophy	Mild
* Clitoral Gland	Duct	Cyst	Mild
Harderian Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Hepatocyte	Glandular Structures	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

[Hyperplasia TGLS = 1-6+7+11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 565

TRT#: 6

SEX: Female

DAY ON TEST: 217

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103331

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
Note: There was hyperplasia in the limiting ridge.			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 566

TRT#: 6

SEX: Female

DAY ON TEST: 461

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Atrophy	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
Note: One adrenal was atrophic.			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Marked
	Hepatocyte	Glandular Structures	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 566

TRT#: 6

SEX: Female

DAY ON TEST: 461

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103332

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hyperplasia Hypertrophy Inflammation	Nodular Moderate Mild
	Hepatocyte	Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Minimal Mild Mild Marked
	[Cholangiocarcinoma TGLS = 9-15] [Fibrosis TGLS = 2-11+12+13+14] [Hyperplasia TGLS = 1,2,3,4,5,6,7-6+11+12+13+14]		
* Lung		Hemorrhage Infiltration Cellular Inflammation	Mild Histiocyte, Minimal Mild
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 567

TRT#: 6

DOSE: 360 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 491

HISTO: 0103333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Marked
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 567

TRT#: 6

SEX: Female

DAY ON TEST: 491

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103333

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 1-6+7+13+14]			
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma	Multiple
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3-3+4+11+12]			
Lymph Node	Mediastinal	Ectasia	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
	Olfactory Epi	Metaplasia	Mild
Note: An inflammatory exudate was in the meatuses.			
Note: There was metaplasia of olfactory epithelium to respiratory type.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Cyst	Mild
[Cyst TGLS = 4-10]			
* Pancreas	Acinus	Atrophy	Moderate
		Edema	Mild
		Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Hemorrhage	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[Hemorrhage TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 567

TRT#: 6

SEX: Female

DAY ON TEST: 491

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103333

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 568

TRT#: 6

SEX: Female

DAY ON TEST: 237

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Brain		Hemorrhage	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Necrosis	Moderate
		Nephropathy	Mild
[Necrosis TGLS = 4-12]			
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 568

TRT#: 6

SEX: Female

DAY ON TEST: 237

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103334

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 2,3-11]			
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hemorrhage	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Pancreas		Edema	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
Note: There was hyperplasia of the limiting ridge.			
* Stomach, Glandular		Erosion	Mild
		Hemorrhage	Mild

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 569

TRT#: 6

SEX: Female

DAY ON TEST: 236

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Ovary	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Bone Marrow		Atrophy	Moderate
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-9+11]			
* Clitoral Gland	Duct	Cyst	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 2,5-6+7+12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 569

TRT#: 6

SEX: Female

DAY ON TEST: 236

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103335

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hemorrhage	Mild
* Lymph Node, Mandibular		Hemorrhage	Mild
		Necrosis	Lymphoid, Minimal
[Hemorrhage TGLS = 7-9]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 8-6]			
* Pancreas		Edema	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
Note: There was a decrease in basophilia at the base of the pancreatic acinar cells.			
[Edema TGLS = 6-6]			
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hemorrhage	Mild
		Hyperplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 570

TRT#: 6

SEX: Female

DAY ON TEST: 383

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Nose	* Ovary	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
* Heart	Epicardium	Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 570

TRT#: 6

SEX: Female

DAY ON TEST: 383

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103336

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 3-11]			
[Hyperplasia TGLS = 1,2-6+7+12]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Serosa	Fibrosis	Mild
[Cystic Keratinizing Epithelioma TGLS = 4,5,6,7,8-3+4+13+14+15]			
Lymph Node			
Note: Mediastinal is missing.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 9-16]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 571

TRT#: 6

DOSE: 360 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 275

HISTO: 0103337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Atrophy	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

[Hyperplasia TGLS = 2-11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 571

TRT#: 6

SEX: Female

DAY ON TEST: 275

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103337

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa		Cyst	Mild
Note: A squamous cyst was present in the area of the hard palate.			
* Ovary		Cyst	Mild
* Pancreas		Edema	Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 572

TRT#: 6

SEX: Female

DAY ON TEST: 243

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Bone Marrow		Atrophy	Mild
* Brain		Hemorrhage	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
[Cyst TGLS = 1-10]			
Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Moderate
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 572	TRT#: 6	SEX: Female	DAY ON TEST: 243
	DOSE: 360 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103338

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-11]		Toxic Hepatopathy	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Necrosis	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy
CONTRIBUTORY CAUSE OF DEATH	- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 573

TRT#: 6

SEX: Female

DAY ON TEST: 337

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

Mesentery

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 573

TRT#: 6

SEX: Female

DAY ON TEST: 337

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103339

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5,6,7,8,9,10,11-6+7+11+14+15+16+17]

* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular	Multiple Histiocyte, Minimal
--------	--	--	---------------------------------

[Cystic Keratinizing Epithelioma TGLS = 1,2,3-3+4+12]

Lymph Node	Mediastinal	Ectasia	Minimal
	Pancreatic	Ectasia	Mild
	Pancreatic	Hemorrhage	Minimal

[Ectasia TGLS = 4-13]

[Hemorrhage TGLS = 4-13]

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Ectasia	Mild
		Hemorrhage	Minimal

[Ectasia TGLS = 12-6]

[Hemorrhage TGLS = 12-6]

* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild

Note: Inflammatory cells were in the meatuses.

Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild

Note: There was hyperplasia at the limiting ridge.

* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Marked

PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy
CONTRIBUTORY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 574

TRT#: 6

SEX: Female

DAY ON TEST: 349

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hemorrhage	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 574

TRT#: 6

SEX: Female

DAY ON TEST: 349

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103340

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Pigmentation Toxic Hepatopathy	Minimal Mild Mild Moderate
[Hyperplasia TGLS = 2-6+7+15]			
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia	Multiple Histiocyte, Minimal Bronchiolar, Minimal
	Alveolar Epith		
[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7-3+4+12+13+14]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 575

TRT#: 6

SEX: Female

DAY ON TEST: 289

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Mesentery

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
* Bone Marrow		Atrophy	Mild
* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Moderate
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 575

TRT#: 6

SEX: Female

DAY ON TEST: 289

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103341

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Marked
[Fatty Change TGLS = 3-6+7+11]			
[Hyperplasia TGLS = 2-6+7+11]			
* Lung		Cystic Keratinizing Epithelioma	
		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Squamous, Moderate
[Cystic Keratinizing Epithelioma TGLS = 5-4]			
Lymph Node	Mediastinal	Ectasia	Moderate
	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
[Ectasia TGLS = 4-12]			
[Hemorrhage TGLS = 4-12]			
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 576

TRT#: 6

SEX: Female

DAY ON TEST: 260

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Adrenal Cortex	* Adrenal Medulla	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Liver	Lymph Node	* Lymph Node, Mesenteric	Mesentery
* Ovary	* Pancreas	* Spleen	* Thymus

OBSERVATIONS

* Bone Marrow	Hyperplasia	Moderate
* Clitoral Gland	Inflammation	Minimal
Eye		
Note: One optic nerve missing.		
* Lung	Cystic Keratinizing Epithelioma	Multiple
Note: Cardiac lobe missing.		
[Cystic Keratinizing Epithelioma TGLS = 1,2-11+12]		
Lymph Node		
Note: Mediastinal is missing.		

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: Missing organs were cannibalized.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 577

TRT#: 6

SEX: Female

DAY ON TEST: 482

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Necrosis	Moderate
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 577

TRT#: 6

DOSE: 360 NG TEQ/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 482

HISTO: 0103343

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 2-11]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3,4,6,7-4+12+13+14]			
Lymph Node			
Note: Mediastinal is missing.			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
Note: Inflammatory exudate was in the meatuses.			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-1]			
* Ovary		Cyst	Mild
[Cyst TGLS = 1-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Inflammation	Minimal
		Ulcer	Minimal
* Stomach, Glandular		Erosion	Mild
		Inflammation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma;Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 578

TRT#: 6

SEX: Female

DAY ON TEST: 313

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Atrophy	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 2,3,5,6-6+7+11+13]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
[Cystic Keratinizing Epithelioma TGLS = 7-4]			
Lymph Node	Mediastinal	Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 578

TRT#: 6

SEX: Female

DAY ON TEST: 313

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103344

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Hemorrhage	Minimal
[Ectasia TGLS = 4-12]			
[Hemorrhage TGLS = 4-12]			
* Lymph Node, Mandibular		Ectasia	Mild
		Hemorrhage	Mild
* Pancreas		Edema	Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 579

TRT#: 6

SEX: Female

DAY ON TEST: 91

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 580

TRT#: 6

SEX: Female

DAY ON TEST: 303

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Hyperplasia TGLS = 7-6+7]			
* Lung	Serosa	Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Fibrosis	Mild
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5,6-4+11+12+13+14]		Hyperplasia	Mild
Lymph Node	Mediastinal	Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 580

TRT#: 6

SEX: Female

DAY ON TEST: 303

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103346

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Hemorrhage	Minimal
* Nose		Inflammation	Minimal
* Ovary		Cyst	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 581

TRT#: 6

SEX: Female

DAY ON TEST: 329

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Fatty Change	Focal, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 581	TRT#: 6	SEX: Female	DAY ON TEST: 329
	DOSE: 360 NG TEQ/KG	DISP: Natural Death	HISTO: 0103347

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-6+7]		Toxic Hepatopathy	Moderate
Lymph Node			
Note: Mediastinal is missing.			
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 582

TRT#: 6

SEX: Female

DAY ON TEST: 415

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: Both optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Minimal
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 582	TRT#: 6	SEX: Female	DAY ON TEST: 415
	DOSE: 360 NG TEQ/KG	DISP: Moribund Sacrifice	HISTO: 0103348

ORGAN AND ACCOUNTABLE SITE STATUS

Hepatocyte [Hyperplasia TGLS = 3,4-6+7+11]		Inflammation Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Mild Mild Minimal Minimal Moderate
* Lung [Cystic Keratinizing Epithelioma TGLS = 5,6,7,8,9-3+4+12+13+14]	Serosa	Cystic Keratinizing Epithelioma Fibrosis Infiltration Cellular	Multiple Mild Histiocyte, Minimal
Lymph Node Note: Mediastinal is missing.			
* Pancreas * Spleen	Acinus	Vacuolization Cytoplasmic Hematopoietic Cell Proliferation Pigmentation	Mild Minimal Minimal
* Thymus * Thyroid Gland * Uterus	Follicular Cel Endometrium	Atrophy Hypertrophy Adenomyosis Hyperplasia Inflammation	Moderate Mild Mild Cystic, Moderate Suppurative, Moderate

PRIMARY CAUSE OF DEATH	- Lung	Cystic Keratinizing Epithelioma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 583

TRT#: 6

SEX: Female

DAY ON TEST: 329

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 1-5]			
* Liver		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Moderate
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 583

TRT#: 6

SEX: Female

DAY ON TEST: 329

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103349

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-6+7+11]

* Lung	Serosa	Cystic Keratinizing Epithelioma Fibrosis Infiltration Cellular	Multiple Minimal Histiocyte, Minimal
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[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7,8-4+12+13+14+15+16]

Lymph Node			
Note: Mediastinal is missing.			
* Pancreas	Artery Acinus	Inflammation Vacuolization Cytoplasmic	Chronic Active, Moderate Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 584

TRT#: 6

SEX: Female

DAY ON TEST: 294

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 584

TRT#: 6

SEX: Female

DAY ON TEST: 294

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103350

ORGAN AND ACCOUNTABLE SITE STATUS

[Cholangiocarcinoma TGLS = 2-12]

[Hyperplasia TGLS = 1-11]

* Lung

Serosa

Cystic Keratinizing Epithelioma

Multiple

Fibrosis

Minimal

Alveolar Epith

Metaplasia

Bronchiolar, Minimal

[Cystic Keratinizing Epithelioma TGLS = 3-13+14+15]

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Moderate

* Pancreas

Acinus

Atrophy

Mild

Hemorrhage

Mild

Inflammation

Chronic Active, Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Minimal

* Stomach, Forestomach

Mineralization

Minimal

* Thymus

Atrophy

Marked

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 585

TRT#: 6

SEX: Female

DAY ON TEST: 51

DOSE: 360 NG TEQ/KG

DISP: Moribund Sacrifice

HISTO: 0103351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Mild
* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye	Retina	Degeneration	Mild
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Necrosis	Mild
Lymph Node			
Note: Mediastinal is missing.			
* Spleen		Pigmentation	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 586

TRT#: 6

SEX: Female

DAY ON TEST: 446

DOSE: 360 NG TEQ/KG

DISP: Natural Death

HISTO: 0103352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex

Atrophy	Marked
Hypertrophy	Minimal
Vacuolization Cytoplasmic	Moderate

Note: One adrenal was atrophic.

* Bone Marrow

Hyperplasia	Moderate
-------------	----------

* Clitoral Gland

Duct

Cyst	Moderate
Inflammation	Minimal

[Cyst TGLS = 1-10]

* Heart

Cardiomyopathy	Minimal
----------------	---------

* Kidney

Nephropathy	Mild
-------------	------

* Liver

Cholangiofibrosis	Marked
Fatty Change	Diffuse, Mild

Centrilobular

Fibrosis	Mild
----------	------

Portal

Fibrosis	Moderate
----------	----------

Hematopoietic Cell Proliferation	Minimal
----------------------------------	---------

Bile Duct

Hyperplasia	Moderate
-------------	----------

Oval Cell

Hyperplasia	Moderate
-------------	----------

Hyperplasia	Nodular
-------------	---------

Hepatocyte

Hypertrophy	Marked
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Inflammation	Minimal
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 586	TRT#: 6	SEX: Female	DAY ON TEST: 446
	DOSE: 360 NG TEQ/KG	DISP: Natural Death	HISTO: 0103352

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Necrosis Pigmentation Toxic Hepatopathy	Moderate Mild Mild Marked
	[Hyperplasia TGLS = 2,3-11]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Serosa	Fibrosis Infiltration Cellular	Mild Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 4,5-3+12+13+14]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Nose	Respirat Epith	Hyperplasia	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas		Edema	Minimal
	Acinus	Vacuolization Cytoplasmic Hematopoietic Cell Proliferation	Minimal Minimal
* Spleen		Pigmentation	Minimal
		Hyperplasia	Squamous, Mild
* Stomach, Forestomach			
	Note: There was hyperplasia at the limiting ridge.		
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma
CONTRIBUTORY CAUSE OF DEATH	- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 601

TRT#: 7

SEX: Female

DAY ON TEST: 209

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
Lymph Node	* Lymph Node, Mesenteric	Mesentery	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Moderate
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

[Fatty Change TGLS = 2-12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 601

TRT#: 7

SEX: Female

DAY ON TEST: 209

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103353

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 602

TRT#: 7

SEX: Female

DAY ON TEST: 401

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
	[Mixed Cell Focus TGLS = 6-11]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
	[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5-3+4+12+13+14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 602

TRT#: 7

SEX: Female

DAY ON TEST: 401

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103354

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 603

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 1-10]			
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum	Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Cholangiocarcinoma	Multiple
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Minimal
		Fatty Change	Focal, Mild
	Portal	Fibrosis	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 603

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103355

ORGAN AND ACCOUNTABLE SITE STATUS

		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
	[Cholangiocarcinoma TGLS = 3-11]		
	[Hypertrophy TGLS = 4-12]		
	[Mixed Cell Focus TGLS = 5-12]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
	Note: Left lung frozen for NTP.		
	Note: There was regression of the epitheliomas with loss of lining epithelium and granulomatous inflammation around the periphery.		
	[Cystic Keratinizing Epithelioma TGLS = 6,8-4+13]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
	Pars Intermed	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular	Artery	Inflammation	Chronic Active, Moderate
* Thymus		Atrophy	Moderate
	Artery	Inflammation	Chronic Active, Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Bilateral	Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 603

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103355

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 604

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
Note: One adrenal was atrophic.			
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve was missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
		Angiectasis	Mild
		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Mild
* Liver	Bile Duct	Cyst	Marked
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Fatty Change	Focal, Mild
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 604

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103356

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Mixed Cell Focus Multinucleated Pigmentation Toxic Hepatopathy	Multiple Mild Mild Mild
[Cholangiocarcinoma TGLS = 2-12] [Cyst TGLS = 1-11] [Mixed Cell Focus TGLS = 3-13]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Minimal
Note: Left lung frozen for NTP. Lymph Node Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Moderate
* Pancreas	Artery Acinus	Inflammation Vacuolization Cytoplasmic	Chronic Active, Minimal Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 605

TRT#: 7

SEX: Female

DAY ON TEST: 474

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Epicardium	Inflammation	Minimal
	Atrium	Thrombosis	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Mild
		Fatty Change	Diffuse, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 605

TRT#: 7

SEX: Female

DAY ON TEST: 474

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103357

ORGAN AND ACCOUNTABLE SITE STATUS

	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
	[Hyperplasia TGLS = 1-11]		
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal is missing.			
Mesentery	Artery	Inflammation	Chronic Active, Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
Note: Inflammatory exudate was present in the meatuses.			
* Pancreas	Artery	Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Mineralization	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 605

TRT#: 7

SEX: Female

DAY ON TEST: 474

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103357

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 606

TRT#: 7

SEX: Female

DAY ON TEST: 602

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild

[Eosinophilic Focus TGLS = 4-12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 606

TRT#: 7

SEX: Female

DAY ON TEST: 602

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103358

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLS = 4-12]

* Lung	Alveolar Epith	Infiltration Cellular Metaplasia	Histiocyte, Minimal Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Nose	Respirat Epith	Hyperplasia Inflammation	Moderate Mild
	Olfactory Epi	Metaplasia	Mild
Note: Inflammatory exudate was in the meatuses. There was metaplasia of olfactory epithelium to respiratory type.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Moderate
* Pancreas		Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic Hematopoietic Cell Proliferation	Minimal Mild
* Spleen			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Inflammation Metaplasia Polyp Stromal	Suppurative, Mild Squamous, Mild

[Polyp Stromal TGLS = 3-10]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 607

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Moderate
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
		Hyperplasia	Mild
* Adrenal Medulla			
Note: One medulla missing.			
* Brain		Mineralization	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Basophilic Focus	Multiple
		Cholangiocarcinoma	
		Cholangiofibrosis	Moderate
		Clear Cell Focus	
	Bile Duct	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 607

TRT#: 7

DOSE: 360 NG TEQKG ST

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0103359

ORGAN AND ACCOUNTABLE SITE STATUS

	Portal	Eosinophilic Focus Fibrosis Hematopoietic Cell Proliferation	Multiple Mild Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Nodular
		Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild
			Metaplasia
		Hyperplasia	Plasma Cell, Moderate
		Fibroadenoma	
	Oral Mucosa	Hyperplasia	Squamous, Mild
	* Ovary	Atrophy	Moderate
	* Pancreas	Vacuolization Cytoplasmic	Minimal
	* Pituitary Gland	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
		Hematopoietic Cell Proliferation	Mild
	* Spleen	Pigmentation	Mild

[Angiectasis TGLS = 2-12]
 [Basophilic Focus TGLS = 8-6]
 [Cholangiocarcinoma TGLS = 4-12]
 [Eosinophilic Focus TGLS = 8-6]
 [Hyperplasia TGLS = 2,3,7-12+13+15]
 [Mixed Cell Focus TGLS = 5,6-13+14]

* Lung
 Note: Left lung frozen for NTP.
 Lymph Node
 Note: Mediastinal is missing.

* Lymph Node, Mandibular
 * Mammary Gland
 [Fibroadenoma TGLS = 1-11]

Oral Mucosa
 * Ovary
 * Pancreas
 * Pituitary Gland

* Spleen

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 607

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103359

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Squamous Cell Papilloma TGLS = 9-6]		Squamous Cell Papilloma	
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 608

TRT#: 7

SEX: Female

DAY ON TEST: 226

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Liver		Cholangiofibrosis	Minimal
	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Fibrosis TGLS = 1-7+11]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 608

TRT#: 7

SEX: Female

DAY ON TEST: 226

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103360

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node Note: Mediastinal is missing.	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 609

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node	* Parathyroid Gland	* Thyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Marked
	Bile Duct	Cyst	Marked
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 609

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103361

ORGAN AND ACCOUNTABLE SITE STATUS

[Cholangiocarcinoma TGLS = 1,3-6+12]

[Cholangiofibrosis TGLS = 1,2,4,5-6+11+13+14]

[Mixed Cell Focus TGLS = 1-7]

* Lung

Alveolar Epith

Cystic Keratinizing Epithelioma
Metaplasia

Bronchiolar, Minimal

Note: Left lung frozen for NTP.

Note: There was regression of the epithelioma with loss of some epithelium and granulomatous inflammation at the periphery.

[Cystic Keratinizing Epithelioma TGLS = 6-4]

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Ectasia

Moderate

Hyperplasia

Plasma Cell, Mild

Atrophy

Moderate

* Ovary

* Pancreas

Acinus

Vacuolization Cytoplasmic

Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

* Thymus

Atrophy

Moderate

Tooth

Peridont Tiss

Inflammation

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Metaplasia

Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 610

TRT#: 7

SEX: Female

DAY ON TEST: 504

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
Eye	Retina	Atrophy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 610

TRT#: 7

SEX: Female

DAY ON TEST: 504

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103362

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node Note: Mediastinal is missing.	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
Oral Mucosa Note: Hair shafts were embedded in the hyperplastic oral mucosa.	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 611

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum	Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 611

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103363

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
	[Cholangiocarcinoma TGLS = 1,2,3-11+12+13]		
	[Cyst TGLS = 6-13]		
	[Mixed Cell Focus TGLS = 5-6+7]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Moderate
	Note: Some areas of inflammation contained a foreign material.		
	Note: Left lung frozen for NTP.		
	[Inflammation TGLS = 7-4]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
Mesentery	Artery	Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Moderate
		Cyst	Moderate
	[Cyst TGLS = 8-10]		
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 611

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103363

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 612

TRT#: 7

SEX: Female

DAY ON TEST: 541

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node	Mesentery	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Mild
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Cholangiocarcinoma TGLS = 2-11]			
* Lung	Alveolar Epith	Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Bronchiolar, Minimal
		Metaplasia	Squamous, Mild
Lymph Node			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 612

TRT#: 7

SEX: Female

DAY ON TEST: 541

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103364

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Mild

* Lymph Node, Mesenteric

Hyperplasia

Plasma Cell, Mild

Oral Mucosa

Gingival

Hyperplasia

Squamous, Mild

* Pancreas

Acinus

Atrophy

Marked

Inflammation

Chronic Active, Moderate

* Spleen

Lymph Follic

Atrophy

Mild

Hematopoietic Cell Proliferation

Minimal

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

Tooth

Peridont Tiss

Inflammation

Moderate

* Uterus

Hemorrhage

Mild

Endometrium

Hyperplasia

Cystic, Moderate

Inflammation

Suppurative, Moderate

Polyp Stromal

[Hyperplasia TGLS = 1-10]

[Polyp Stromal TGLS = 1-10]

PRIMARY CAUSE OF DEATH

- Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 613

TRT#: 7

SEX: Female

DAY ON TEST: 241

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node	Mesentery
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Blood Vessel	Adventitia, Aorta	Inflammation	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Mild
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

[Hyperplasia TGLS = 1-11]

Lymph Node

Note: Mediastinal is missing.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 613

TRT#: 7

SEX: Female

DAY ON TEST: 241

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103365

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

Animal Note: Left eye and Harderian gland were cannibalized.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 614

TRT#: 7

SEX: Female

DAY ON TEST: 230

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Bone Marrow		Atrophy	Mild
		Hyperplasia	Mild
* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 5-12]			
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Moderate
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 614

TRT#: 7

SEX: Female

DAY ON TEST: 230

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103366

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Minimal Mild Moderate
[Hyperplasia TGLS = 2-13] Lymph Node	Mediastinal Pancreatic Pancreatic	Hemorrhage Hemorrhage Hyperplasia	Mild Mild Histiocytic, Mild
[Hemorrhage TGLS = 4-14] [Hemorrhage TGLS = 1-11] [Hyperplasia TGLS = 1-11] * Lymph Node, Mandibular		Hemorrhage Hyperplasia	Mild Plasma Cell, Moderate
[Hemorrhage TGLS = 3-9] * Pancreas * Spleen	Lymph Follic	Edema Atrophy Hematopoietic Cell Proliferation Pigmentation Atrophy	Mild Moderate Minimal Minimal Marked

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 615

TRT#: 7

SEX: Female

DAY ON TEST: 201

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Atrophy	Mild
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 2-9]			
* Kidney		Mineralization	Minimal
* Liver		Cholangiofibrosis	Minimal
	Centrilobular	Degeneration	Minimal
	Centrilobular	Fatty Change	Diffuse, Moderate
	Portal	Fibrosis	Moderate
	Oval Cell	Fibrosis	Mild
		Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 615

TRT#: 7

SEX: Female

DAY ON TEST: 201

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103367

ORGAN AND ACCOUNTABLE SITE STATUS

[Fatty Change TGLS = 1-6+7]

Lymph Node

Note: Mediastinal is missing.

* Spleen

Lymph Follic

Atrophy

Moderate

Pigmentation

Mild

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Brain Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 616

TRT#: 7

SEX: Female

DAY ON TEST: 638

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Mesentery	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hemorrhage	Mild
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Cholangiocarcinoma TGLS = 2,3,4-12+13+14]			
* Lung		Cystic Keratinizing Epithelioma	
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 616

TRT#: 7

SEX: Female

DAY ON TEST: 638

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103368

ORGAN AND ACCOUNTABLE SITE STATUS

Keratin Cyst

Marked

Note: Some keratin cysts were partially lined by columnar epithelium as well as squamous epithelium.

[Keratin Cyst TGLS = 7,8,9-3+4]

Lymph Node

Renal

Ectasia

Moderate

Lumbar

Hemorrhage

Minimal

Lumbar

Hyperplasia

Histiocytic, Mild

Mediastinal

Hyperplasia

Plasma Cell, Mild

Mediastinal

Hyperplasia

Histiocytic, Mild

Renal

Hyperplasia

Histiocytic, Mild

[Ectasia TGLS = 5-15]

[Hemorrhage TGLS = 11-16]

[Hyperplasia TGLS = 6-13]

[Hyperplasia TGLS = 10-14]

[Hyperplasia TGLS = 11-16]

[Hyperplasia TGLS = 10-14]

* Lymph Node, Mandibular

Ectasia

Mild

* Mammary Gland

Fibroadenoma

Hyperplasia

Minimal

[Fibroadenoma TGLS = 1-11]

* Nose

Inflammation

Minimal

Note: Inflammatory cells and a foreign material (plant) were present in the meatuses.

* Ovary

Cyst

Mild

* Pancreas

Acinus

Vacuolization Cytoplasmic

Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

* Thymus

Atrophy

Moderate

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Cholangiocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 617

TRT#: 7

SEX: Female

DAY ON TEST: 240

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node	Mesentery
------------	-----------

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
Blood Vessel	Adventitia, Aorta	Hemorrhage	Moderate
	Adventitia, Aorta	Inflammation	Mild
* Bone Marrow		Atrophy	Mild
		Hyperplasia	Minimal
* Brain		Hemorrhage	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 617	TRT#: 7	SEX: Female	DAY ON TEST: 240
	DOSE: 360 NG TEQKG ST	DISP: Natural Death	HISTO: 0103369

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-11]	Toxic Hepatopathy	Moderate
* Lung	Cystic Keratinizing Epithelioma	Multiple
[Cystic Keratinizing Epithelioma TGLS = 2,3-12+13]		
Lymph Node		
Note: Mediastinal is missing.		
* Lymph Node, Mandibular	Hemorrhage	Mild
* Lymph Node, Mesenteric	Hemorrhage	Mild
* Pancreas	Edema	Mild
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Atrophy	Marked
	Hemorrhage	Moderate

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 618

TRT#: 7

SEX: Female

DAY ON TEST: 525

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Mesentery

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Minimal
		Eosinophilic Focus	Multiple
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 618

TRT#: 7

SEX: Female

DAY ON TEST: 525

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103370

ORGAN AND ACCOUNTABLE SITE STATUS

[Hypertrophy TGLS = 4-6+7]

* Lung

Infiltration Cellular

Histiocyte, Minimal

Keratin Cyst

Marked

Alveolar Epith

Metaplasia

Bronchiolar, Minimal

Note: There was regression of the epitheliomas with loss of epithelium in some areas and granulomatous inflammation at the periphery.

[Keratin Cyst TGLS = 5,6,7-3+4]

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Mild

* Mammary Gland

Fibroadenoma

Multiple

[Fibroadenoma TGLS = 1,2-11+12]

Oral Mucosa

Gingival

Hyperplasia

Squamous, Minimal

Note: The hyperplastic oral mucosa formed a cavity that contained hair shafts and inflammatory cells.

* Ovary

Cyst

Mild

* Pancreas

Acinus

Vacuolization Cytoplasmic

Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Minimal

* Thymus

Atrophy

Marked

* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

Tooth

Peridont Tiss

Inflammation

Mild

* Uterus

Congestion

Mild

[Congestion TGLS = 3-10]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 619

TRT#: 7

SEX: Female

DAY ON TEST: 279

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
		Inflammation	Mild
* Bone Marrow		Hyperplasia	Minimal
* Brain		Hemorrhage	Minimal
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver		Cholangiofibrosis	Minimal
	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Moderate
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 619	TRT#: 7	SEX: Female	DAY ON TEST: 279
	DOSE: 360 NG TEQKG ST	DISP: Moribund Sacrifice	HISTO: 0103371

ORGAN AND ACCOUNTABLE SITE STATUS

[Fatty Change TGLS = 1-6+7]		Toxic Hepatopathy	Moderate
* Lung		Cystic Keratinizing Epithelioma Infiltration Cellular	Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3-4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 620

TRT#: 7

SEX: Female

DAY ON TEST: 275

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 2-11]			
* Lung		Cystic Keratinizing Epithelioma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 620

TRT#: 7

SEX: Female

DAY ON TEST: 275

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103372

ORGAN AND ACCOUNTABLE SITE STATUS

[Cystic Keratinizing Epithelioma TGLS = 3-3]

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Ovary

* Pancreas

* Spleen

* Thyroid Gland

Follicular Cel

Hyperplasia

Hemorrhage

Atrophy

Edema

Hematopoietic Cell Proliferation

Hypertrophy

Infiltration Cellular

Plasma Cell, Moderate

Mild

Moderate

Mild

Mild

Mild

Marked

Lymphoid, Moderate

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH

- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 621

TRT#: 7

SEX: Female

DAY ON TEST: 232

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	Mesentery	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Intestine Large, Cecum		Edema	Mild
		Inflammation	Mild
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Metaplasia	Mild
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

Note: Pancreatic metaplasia occurred in the liver.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 621	TRT#: 7	SEX: Female	DAY ON TEST: 232
	DOSE: 360 NG TEQKG ST	DISP: Natural Death	HISTO: 0103373

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-6+7]

Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Edema	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 622

TRT#: 7

SEX: Female

DAY ON TEST: 659

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Vacuolization Cytoplasmic	Cystic, Moderate Moderate Moderate
Note: One adrenal missing. [Hypertrophy TGLS = 5-8]			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst Inflammation	Moderate Mild
[Cyst TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
	Bile Duct	Cyst Fatty Change Fatty Change	Moderate Diffuse, Mild Focal, Mild
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Multinucleated Pigmentation	Minimal Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 622

TRT#: 7

SEX: Female

DAY ON TEST: 659

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103374

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Mild
[Cholangiocarcinoma TGLS = 2-11]			
[Fatty Change TGLS = 4-12]			
[Hyperplasia TGLS = 3-12]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 6-13]			
[Hemorrhage TGLS = 6-13]			
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Moderate
		Inflammation	Mild
* Lymph Node, Mesenteric		Ectasia	Mild
		Hemorrhage	Mild
[Ectasia TGLS = 7-14]			
[Hemorrhage TGLS = 7-14]			
Mesentery	Artery	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 8-15]			
* Ovary		Cyst	Mild
* Pancreas	Acinus	Atrophy	Moderate
	Artery	Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Edema	Mild
		Inflammation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	- Liver Cholangiocarcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 623

TRT#: 7

SEX: Female

DAY ON TEST: 383

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:55
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 623	TRT#: 7	SEX: Female	DAY ON TEST: 383
	DOSE: 360 NG TEQKG ST	DISP: Moribund Sacrifice	HISTO: 0103375

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-6+7]			
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Hyperplasia Infiltration Cellular	Multiple Minimal Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2,3,4,5-4+11+12+13+14]			
Lymph Node			
Note: Mediastinal is missing.			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	- Lung	Cystic Keratinizing Epithelioma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 624

TRT#: 7

SEX: Female

DAY ON TEST: 282

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Cyst	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
[Cyst TGLS = 5-11]			
* Liver		Cholangiofibrosis	Minimal
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Fatty Change	Focal, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 624

TRT#: 7

SEX: Female

DAY ON TEST: 282

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103376

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Hyperplasia TGLS = 1-6+7]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 2-3]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland		Cyst	Mild
[Cyst TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 625

TRT#: 7

SEX: Female

DAY ON TEST: 247

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

[Hyperplasia TGLS = 2-6+7]

Lymph Node

Note: Mediastinal is missing.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 625

TRT#: 7

SEX: Female

DAY ON TEST: 247

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103377

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Pancreas		Edema	Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 626

TRT#: 7

SEX: Female

DAY ON TEST: 226

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
Lymph Node	Mediastinal	Hemorrhage	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 626

TRT#: 7

SEX: Female

DAY ON TEST: 226

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103378

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Edema	Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 627

TRT#: 7

SEX: Female

DAY ON TEST: 636

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Brain	Cranial Nerve	Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
	[Squamous Cell Carcinoma TGLS = 4-13]		
* Clitoral Gland	Duct	Cyst	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
	[Cholangiocarcinoma TGLS = 1-6+7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 627

TRT#: 7

SEX: Female

DAY ON TEST: 636

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103379

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
	Renal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Renal	Hyperplasia	Histiocytic, Mild
[Hemorrhage TGLS = 2-11]			
[Hemorrhage TGLS = 3-12]			
[Hyperplasia TGLS = 2-11]			
[Hyperplasia TGLS = 3-12]			
* Mammary Gland		Hyperplasia	Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
Note: Inflammatory exudate was present in the meatuses.			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-1+14]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 628

TRT#: 7

SEX: Female

DAY ON TEST: 593

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

[Cholangiocarcinoma TGLS = 6-11]

[Hyperplasia TGLS = 5-6+7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 628

TRT#: 7

SEX: Female

DAY ON TEST: 593

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103380

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-14]			
* Lymph Node, Mandibular		Ectasia	Moderate
[Ectasia TGLS = 2-12]			
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Moderate
	Olfactory Epi	Metaplasia	Mild
Note: There was metaplasia of olfactory epithelium to respiratory type.			
Note: Inflammatory exudate was in the meatuses. This correlates with gross observation TGL 4.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
* Stomach, Forestomach		Inflammation	Moderate
		Ulcer	Moderate
[Inflammation TGLS = 7-6]			
[Ulcer TGLS = 7-6]			
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	Cervix	Stromal Hyperplasia	Moderate
[Stromal Hyperplasia TGLS = 1-13]			

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 629

TRT#: 7

SEX: Female

DAY ON TEST: 494

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Marked
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Marked
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:55

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 629

TRT#: 7

SEX: Female

DAY ON TEST: 494

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103381

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1,2-6+7+11]

* Lung		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Atrophy	Moderate
* Pancreas		Edema	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Moderate

[Hyperplasia TGLS = 3-10]

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 630

TRT#: 7

SEX: Female

DAY ON TEST: 226

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Both optic nerves missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

[Hyperplasia TGLS = 1-11]

Lymph Node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 630	TRT#: 7	SEX: Female	DAY ON TEST: 226
	DOSE: 360 NG TEQKG ST	DISP: Moribund Sacrifice	HISTO: 0103382

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal is missing.

* Lymph Node, Mesenteric		Hemorrhage	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland		Cytoplasmic Alteration	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Marked
		Infiltration Cellular	Lymphoid, Moderate

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 631

TRT#: 7

SEX: Female

DAY ON TEST: 663

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Minimal
	Artery	Inflammation	Chronic Active, Mild
* Intestine Large, Cecum	Artery	Inflammation	Chronic Active, Mild
* Intestine Large, Rectum		Mineralization	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 1-5]			
* Liver		Basophilic Focus	Multiple
		Cholangiocarcinoma	Multiple
	Bile Duct	Cyst	Moderate
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 631

TRT#: 7

SEX: Female

DAY ON TEST: 663

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103383

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
	[Cholangiocarcinoma TGLS = 2,3,4,5,6-11+12+13+14+15]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Keratin Cyst	Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Keratin Cyst TGLS = 7-16]		
Lymph Node	Pancreatic	Hemorrhage	Mild
	Pancreatic	Hyperplasia	Histiocytic, Mild
	Note: Mediastinal is missing.		
	[Hemorrhage TGLS = 8-17]		
	[Hyperplasia TGLS = 8-17]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Mesentery	Artery	Inflammation	Chronic Active, Mild
* Nose	Respirat Epith	Hyperplasia	Mild
	Note: There was a proteinaceous material and erythrocytes in the meatuses.		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Moderate
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 631

TRT#: 7

SEX: Female

DAY ON TEST: 663

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103383

ORGAN AND ACCOUNTABLE SITE STATUS

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

- Liver Cholangiocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 632

TRT#: 7

SEX: Female

DAY ON TEST: 451

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
* Heart	Coron Artery	Inflammation	Chronic Active, Minimal
* Intestine Small, Ileum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 1-5]			
* Liver		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 632

TRT#: 7

SEX: Female

DAY ON TEST: 451

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103384

ORGAN AND ACCOUNTABLE SITE STATUS

[Fatty Change TGLS = 3-6+7]

[Hepatocellular Adenoma TGLS = 4-11]

[Hyperplasia TGLS = 2,5-6+7+12]

Lymph Node	Mediastinal	Hemorrhage	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Mesentery	Artery	Inflammation	Chronic Active, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 633

TRT#: 7

SEX: Female

DAY ON TEST: 272

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Moderate
* Bone	Tarsal	Inflammation	Moderate
[Inflammation TGLS = 2-12+13]			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Metaplasia	Minimal
	Hepatocyte	Multinucleated	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 633	TRT#: 7	SEX: Female	DAY ON TEST: 272
	DOSE: 360 NG TEQKG ST	DISP: Moribund Sacrifice	HISTO: 0103385

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
Note: There was a focus of pancreatic metaplasia in the liver. [Hyperplasia TGLS = 1-11]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Pancreas		Edema	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 634

TRT#: 7

SEX: Female

DAY ON TEST: 703

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	Mesentery	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Minimal
Note: One clitoral gland missing.			
Eye			
Note: Both optic nerves are missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Minimal
		Fatty Change	Focal, Moderate
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hepatocholangioma	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 634

TRT#: 7

SEX: Female

DAY ON TEST: 703

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103386

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Inflammation Multinucleated Pigmentation Toxic Hepatopathy	Minimal Mild Mild Moderate
	[Cholangiocarcinoma TGLS = 4,5-11+13] [Cyst TGLS = 8-16] [Hepatocholangioma TGLS = 6-14] [Hepatodiaphragmatic Nodule TGLS = 7-15] [Hyperplasia TGLS = 8-16]		
	Lymph Node Note: Mediastinal is missing.		
	* Lymph Node, Mandibular	Hyperplasia	Plasma Cell, Mild
	* Mammary Gland	Fibroadenoma Hyperplasia	Mild
	[Fibroadenoma TGLS = 3-12]		
	* Nose	Respirat Epith	Hyperplasia Inflammation Moderate Mild
	Olfactory Epi	Metaplasia	Moderate
	Note: There was metaplasia of the olfactory epithelium to respiratory type.		
	Oral Mucosa	Gingival	Hyperplasia Squamous, Moderate
	* Ovary	Cyst	Mild
	* Pancreas	Acinus	Vacuolization Cytoplasmic Minimal
	* Spleen	Lymph Follic	Atrophy Pigmentation Moderate Mild
	* Stomach, Forestomach	Ulcer	Minimal
	* Thymus	Atrophy	Marked
	Tooth	Peridont Tiss	Inflammation Minimal
	* Uterus	Endometrium	Hyperplasia Cystic, Marked
	[Hyperplasia TGLS = 1,2-10+11]		

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 635

TRT#: 7

SEX: Female

DAY ON TEST: 700

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
		Degeneration	Cystic, Moderate
		Hypertrophy	Marked
		Inflammation	Mild
		Vacuolization Cytoplasmic	Moderate
Note: One adrenal was atrophic. [Hypertrophy TGLS = 6-8]			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Mild
	Bile Duct	Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 635

TRT#: 7

SEX: Female

DAY ON TEST: 700

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103387

ORGAN AND ACCOUNTABLE SITE STATUS

	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
	[Cholangiocarcinoma TGLS = 2-12]		
	[Eosinophilic Focus TGLS = 7-6+7+14]		
	[Fatty Change TGLS = 7-14]		
	[Mixed Cell Focus TGLS = 7-6+7+14]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Moderate
		Keratin Cyst	Moderate
		Metaplasia	Squamous, Moderate
	Note: The cyst contained keratin and was lined by a thin layer of epithelium that ranged from squamous to columnar.		
	[Keratin Cyst TGLS = 8-3]		
	Lymph Node		
	Note: Mediastinal is missing.		
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
	[Fibroadenoma TGLS = 1-11]		
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Minimal
	Olfactory Epi	Metaplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 635

TRT#: 7

SEX: Female

DAY ON TEST: 700

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103387

ORGAN AND ACCOUNTABLE SITE STATUS

Note: There was metaplasia of olfactory epithelium to respiratory type.

* Ovary		Cyst	Mild
[Cyst TGLS = 3-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Inflammation	Suppurative, Mild
		Polyp Stromal	
[Hyperplasia TGLS = 4,5-10+13]			
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy
 CONTRIBUTORY CAUSE OF DEATH - Lung Keratin Cyst;Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 636

TRT#: 7

SEX: Female

DAY ON TEST: 267

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: Both optic nerves missing.			
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

[Degeneration TGLS = 2-6+7+11]

[Fatty Change TGLS = 1-11]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 636

TRT#: 7

SEX: Female

DAY ON TEST: 267

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103388

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular Inflammation	Histiocyte, Minimal Minimal
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hemorrhage	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 637

TRT#: 7

SEX: Female

DAY ON TEST: 607

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Minimal
* Intestine Large, Rectum	Artery	Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Mild
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 637

TRT#: 7

SEX: Female

DAY ON TEST: 607

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103389

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Mixed Cell Focus Multinucleated Pigmentation Toxic Hepatopathy	Multiple Mild Mild Moderate
	[Cholangiocarcinoma TGLS = 2,3-11+12] [Cholangiofibrosis TGLS = 1-6+7]		
* Lung	Alveolar Epith	Infiltration Cellular Metaplasia	Histiocyte, Minimal Bronchiolar, Minimal
	[Infiltration Cellular TGLS = 4-3+4]		
* Lymph Node, Mandibular		Ectasia	Mild
Mesentery	Artery	Inflammation	Chronic Active, Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
Note: A hair shaft was embedded in the hyperplastic oral mucosa.			
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 638

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
Mesentery	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Cholangiofibrosis	Minimal
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Minimal
		Fatty Change	Focal, Mild
	Serosa	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 638

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103390

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-11]

[Fibrosis TGLS = 1-6+7]

* Lung

Cystic Keratinizing Epithelioma
Infiltration Cellular
Keratin Cyst
Metaplasia

Histiocyte, Minimal
Marked
Squamous, Minimal

Note: Left lung frozen for NTP.

Note: The lung cysts contained keratin and were lined by an epithelium that was cuboidal, columnar or squamous in some areas.

[Keratin Cyst TGLS = 3-12+13+14]

Lymph Node

Note: Mediastinal is missing.

* Lymph Node, Mandibular

Hyperplasia

Plasma Cell, Mild

* Lymph Node, Mesenteric

Hemorrhage

Minimal

Oral Mucosa

Gingival

Hyperplasia

Squamous, Minimal

* Ovary

Atrophy

Moderate

* Pancreas

Acinus

Atrophy

Mild

Acinus

Vacuolization Cytoplasmic

Mild

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Hyperplasia

Marked

Follicular Cel

Hypertrophy

Minimal

Tooth

Peridont Tiss

Inflammation

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Marked

Metaplasia

Squamous, Minimal

[Hyperplasia TGLS = 4-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 639

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Atrophy	Mild
		Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Fatty Change	Focal, Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 639

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103391

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
	[Cholangiocarcinoma TGLS = 2,3,8,9-6+11+12+13+14]		
	[Hyperplasia TGLS = 9-7]		
* Lung		Inflammation	Granulomatous, Moderate
		Keratin Cyst	Moderate
	Note: The cysts in the lung contained keratin and were lined by a thin epithelial layer.		
	Note: Left lung frozen for NTP.		
	[Keratin Cyst TGLS = 4,5,6-4]		
Lymph Node	Renal	Hemorrhage	Mild
	Note: Mediastinal is missing.		
	[Hemorrhage TGLS = 1-11]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 7-15]		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 640

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 640

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103392

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Cholangiocarcinoma TGLS = 4,5,6-13+14+15]			
[Cyst TGLS = 2-12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 8-4]			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
[Cyst TGLS = 7-16]			
[Fibroadenoma TGLS = 1-11]			
[Inflammation TGLS = 7-16]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pancreas	Acinus	Atrophy	Mild
	Artery	Inflammation	Chronic Active, Moderate
		Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 641

TRT#: 7

SEX: Female

DAY ON TEST: 601

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

Mesentery

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: Optic nerve with Harderian gland. One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	Multiple
		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Marked
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Moderate
	Centrilobular	Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 641

TRT#: 7

SEX: Female

DAY ON TEST: 601

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103393

ORGAN AND ACCOUNTABLE SITE STATUS

	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
	[Cholangiocarcinoma TGLS = 6,7,8-12+13+14]		
	[Cyst TGLS = 9,10-15]		
	[Fatty Change TGLS = 3-6+7]		
	[Hyperplasia TGLS = 4,9,10-6+7+15]		
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Mild
	Renal	Hyperplasia	Histiocytic, Mild
	[Hyperplasia TGLS = 5-15]		
	[Hyperplasia TGLS = 2-11]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
Note: Hair shafts were embedded in the hyperplastic oral mucosa.			
* Pancreas	Acinus	Atrophy	Mild
		Edema	Minimal
		Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 641

TRT#: 7

SEX: Female

DAY ON TEST: 601

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103393

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Metaplasia	Squamous, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 642

TRT#: 7

SEX: Female

DAY ON TEST: 303

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Rectum
* Islets, Pancreatic	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Thyroid Gland	* Trachea

OBSERVATIONS

Blood Vessel		Lymphoma Malignant	
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Lymphoma Malignant	
* Intestine Large, Cecum		Lymphoma Malignant	
* Intestine Large, Colon		Lymphoma Malignant	
* Intestine Small, Duodenum		Lymphoma Malignant	
* Intestine Small, Ileum		Lymphoma Malignant	
* Intestine Small, Jejunum		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Minimal
	Portal	Fibrosis	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Lymphoma Malignant	
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

[Cholangiocarcinoma TGLS = 7-16]

[Cholangiofibrosis TGLS = 6-6+7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 642

TRT#: 7

SEX: Female

DAY ON TEST: 303

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103394

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 6-6+7]

* Lung		Lymphoma Malignant	
Lymph Node	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	

[Lymphoma Malignant TGLS = 3-13]

[Lymphoma Malignant TGLS = 5-15]

[Lymphoma Malignant TGLS = 2-12]

* Lymph Node, Mandibular		Lymphoma Malignant	
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[Lymphoma Malignant TGLS = 1-11]

* Lymph Node, Mesenteric		Lymphoma Malignant	
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[Lymphoma Malignant TGLS = 4-14]

* Mammary Gland		Lymphoma Malignant	
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* Pancreas	Acinus	Atrophy	Mild
		Edema	Mild

	Acinus	Lymphoma Malignant	
		Vacuolization Cytoplasmic	Mild
* Pituitary Gland		Cyst	Moderate

* Salivary Glands		Lymphoma Malignant	
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* Skin		Lymphoma Malignant	
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* Spleen		Lymphoma Malignant	
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		Pigmentation	Minimal
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* Stomach, Forestomach		Lymphoma Malignant	
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* Stomach, Glandular		Lymphoma Malignant	
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* Thymus		Lymphoma Malignant	
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* Urinary Bladder		Lymphoma Malignant	
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* Uterus		Lymphoma Malignant	
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PRIMARY CAUSE OF DEATH	- Lymph Node, Mesenteric	Lymphoma Malignant	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 643

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Adrenal Medulla	Lymph Node		
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Note: One clitoral gland missing.			
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Mild
	Centrilobular	Degeneration	Mild
		Fatty Change	Focal, Moderate
		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 643

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103395

ORGAN AND ACCOUNTABLE SITE STATUS

		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 2,3,4-6+7+12+13+14]			
* Lung		Inflammation	Minimal
Note: Left lung frozen for NTP.			
Lymph Node			
Note: Mediastinal is missing.			
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
Note: Normal mammary tissue missing from slide 10.			
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland		Cytoplasmic Alteration	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 644

TRT#: 7

SEX: Female

DAY ON TEST: 258

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 3-6+7+11]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 4-12]			
* Ovary		Atrophy	Mild
* Pancreas		Edema	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 644

TRT#: 7

SEX: Female

DAY ON TEST: 258

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103396

ORGAN AND ACCOUNTABLE SITE STATUS

	Acinus	Hemorrhage	Mild
* Pituitary Gland		Vacuolization Cytoplasmic	Minimal
* Spleen		Cyst	Mild
* Thymus		Hematopoietic Cell Proliferation	Mild
Tooth	Peridont Tiss	Atrophy	Marked
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 645

TRT#: 7

SEX: Female

DAY ON TEST: 561

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
Note: TGL 7, One Adrenal missing.			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Bile Duct	Cyst	Mild
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Mild
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Marked
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 645

TRT#: 7

SEX: Female

DAY ON TEST: 561

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103397

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-6+7]

* Lung		Inflammation	Granulomatous, Moderate
		Keratin Cyst	Moderate
		Metaplasia	Squamous, Mild

Note: The cysts in the lungs were keratin filled and lined by an attenuated epithelium.

[Keratin Cyst TGLS = 6-3+4]

Lymph Node	Mediastinal	Hemorrhage	Mild
* Lymph Node, Mandibular		Ectasia	Mild
Mesentery	Artery	Inflammation	Chronic Active, Marked

[Inflammation TGLS = 2-11]

Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Artery	Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Mild
		Polyp Stromal	

[Polyp Stromal TGLS = 1-10]

PRIMARY CAUSE OF DEATH	- Lung Keratin Cyst
CONTRIBUTORY CAUSE OF DEATH	- Liver Toxic Hepatopathy; Mesentery Artery Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 646

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Cholangiocarcinoma	
		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Mild
		Fatty Change	Focal, Moderate
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild

[Cholangiocarcinoma TGLS = 2-12]
[Fatty Change TGLS = 4-6+7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 646

TRT#: 7

SEX: Female

DAY ON TEST: 727

DOSE: 360 NG TEQKG ST

DISP: Terminal Sacrifice

HISTO: 0103398

ORGAN AND ACCOUNTABLE SITE STATUS

[Hypertrophy TGLS = 3-6+7]

* Lung

Alveolar Epith

Infiltration Cellular

Keratin Cyst

Metaplasia

Metaplasia

Histiocyte, Mild

Moderate

Bronchiolar, Minimal

Squamous, Mild

Note: The cyst in the lung contained keratin and was lined by an attenuated epithelium that ranged from squamous to columnar.

Note: Left lung frozen for NTP.

[Infiltration Cellular TGLS = 6-4]

Lymph Node

Mediastinal

Hyperplasia

Lymphoid, Marked

[Hyperplasia TGLS = 5-13]

* Lymph Node, Mandibular

Ectasia

Mild

Hyperplasia

Plasma Cell, Mild

* Mammary Gland

Fibroadenoma

Hyperplasia

Mild

[Fibroadenoma TGLS = 1-11]

* Nose

Respirat Epith

Hyperplasia

Moderate

Olfactory Epi

Inflammation

Mild

Metaplasia

Moderate

Note: Inflammatory exudate was in the meatuses.

Note: There was metaplasia of olfactory epithelium to respiratory type.

* Pancreas

Acinus

Vacuolization Cytoplasmic

Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Minimal

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicular Cel

Hypertrophy

Mild

Tooth

Peridont Tiss

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 647

TRT#: 7

SEX: Female

DAY ON TEST: 258

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	Mesentery
* Nose	Oral Mucosa	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
Note: Both optic nerves missing.			
Blood Vessel	Adventitia, Aorta	Hemorrhage	Mild
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hemorrhage	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart	Myocardium	Hemorrhage	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Moderate
	Portal	Fibrosis	Moderate
	Hepatocyte	Glandular Structures	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 647

TRT#: 7

SEX: Female

DAY ON TEST: 258

DOSE: 360 NG TEQKG ST

DISP: Natural Death

HISTO: 0103399

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Fibrosis TGLS = 4-6+7+12]			
[Fibrosis TGLS = 4-6+7+12]			
[Hyperplasia TGLS = 2,3-7+12]			
* Lung		Cystic Keratinizing Epithelioma	
[Cystic Keratinizing Epithelioma TGLS = 5-4]			
Lymph Node	Pancreatic	Hemorrhage	Mild
	Pancreatic	Hyperplasia	Histiocytic, Moderate
[Hemorrhage TGLS = 6-11]			
[Hyperplasia TGLS = 6-11]			
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Atrophy	Mild
		Edema	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hypertrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 648

TRT#: 7

SEX: Female

DAY ON TEST: 254

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Hemorrhage	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
[Nephropathy TGLS = 3-5]			
* Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 648

TRT#: 7

SEX: Female

DAY ON TEST: 254

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103400

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Degeneration TGLS = 1-6+7]			
[Hyperplasia TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 5-3]			
[Hemorrhage TGLS = 5-3]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	- Liver	Toxic Hepatopathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 649

TRT#: 7

SEX: Female

DAY ON TEST: 594

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Mesentery	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Moderate
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cyst TGLS = 3-12]			
[Hyperplasia TGLS = 4-6+7+12]			
* Lung		Cystic Keratinizing Epithelioma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 649

TRT#: 7

SEX: Female

DAY ON TEST: 594

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103401

ORGAN AND ACCOUNTABLE SITE STATUS

		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Moderate
		Keratin Cyst	Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: The cyst contained keratin and was lined by an attenuated epithelial layer.			
[Keratin Cyst TGLS = 5,8,9-4]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Pancreatic	Hyperplasia	Lymphoid, Moderate
[Hemorrhage TGLS = 6-14]			
[Hyperplasia TGLS = 6-14]			
[Hyperplasia TGLS = 2-11]			
* Lymph Node, Mandibular		Ectasia	Moderate
		Hyperplasia	Plasma Cell, Mild
[Ectasia TGLS = 7-9]			
[Hyperplasia TGLS = 7-9]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Hyperplasia	Histiocytic, Moderate
[Hyperplasia TGLS = 2-6]			
* Mammary Gland		Hyperplasia	Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
Note: There was inflammatory exudate in the meatuses.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 649

TRT#: 7

SEX: Female

DAY ON TEST: 594

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103401

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Suppurative, Mild

Polyp Stromal

[Hyperplasia TGLS = 1-13]

[Polyp Stromal TGLS = 1-13]

PRIMARY CAUSE OF DEATH

- Liver Toxic Hepatopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014

Time Report Requested: 21:00:56

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 650

TRT#: 7

SEX: Female

DAY ON TEST: 273

DOSE: 360 NG TEQKG ST

DISP: Moribund Sacrifice

HISTO: 0103402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: One optic nerve missing.			
* Heart	Coron Artery	Inflammation	Chronic Active, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular	Fibrosis	Mild
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Serosa	Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96022-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: TEF Evaluation (PCB Mixture; PCB 126/PCB 118)
CAS Number: TEFPCBMIX

Date Report Requested: 10/22/2014
Time Report Requested: 21:00:56
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 650	TRT#: 7	SEX: Female	DAY ON TEST: 273
	DOSE: 360 NG TEQKG ST	DISP: Moribund Sacrifice	HISTO: 0103402

ORGAN AND ACCOUNTABLE SITE STATUS

[Cystic Keratinizing Epithelioma TGLS = 1-3+4+11]

Lymph Node			
Note: Mediastinal is missing.			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Lung Cystic Keratinizing Epithelioma

**** END OF REPORT ****