

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

C Number:	C88120B
Lock Date:	08/11/1998
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	10/28/1999

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6+7]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Mild
		Inflammation	Marked
[Cyst TGLS = 3-12]			
[Inflammation TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
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Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 682 HISTO: 9701761
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Hyperplasia Ulcer	Mild Mild
[Hyperplasia TGLS = 1-13]			
[Ulcer TGLS = 1-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Multiple Minimal
[Adenoma TGLS = 5-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 368 HISTO: 9701762
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 3-3]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 2-13]			
[Necrosis TGLS = 2-13]			
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Spinal Cord		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 368 HISTO: 9701762
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Ulcer TGLS = 4-12]		Ulcer	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701763
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[Mixed Cell Focus TGLS = 3-13]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Preputial Gland		Inflammation	Minimal
* Stomach, Glandular		Hyperplasia	Mild
[Hyperplasia TGLS = 4-7]			
* Testes	Interstitial Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 633 HISTO: 9701764
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* 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		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Infarct	Marked
		Leukemia Mononuclear	
		Nephropathy	Minimal
		Pigmentation	Mild
[Leukemia Mononuclear TGLS = 4-3]			
* Liver	Centrilobular	Degeneration	Moderate
		Hepatocellular Carcinoma	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hepatocellular Carcinoma TGLS = 6-13]			
[Hepatodiaphragmatic Nodule TGLS = 5-12]			
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
		Thrombosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 633 HISTO: 9701764
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ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Leukemia Mononuclear TGLS = 8-12]	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
	Pars Distalis	Pseudocyst	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Seminal Vesicle [Atrophy TGLS = 7-10]		Atrophy	Mild
* Spleen [Leukemia Mononuclear TGLS = 1-3]		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 682 HISTO: 9701765
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Inflammation	Minimal
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-3]			
* Liver	Centrilobular	Degeneration	Minimal
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
	Pars Intermed	Pseudocyst	Mild
[Leukemia Mononuclear TGLS = 4-9]			
* Preputial Gland		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 312 HISTO: 9701766
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Glioma Malignant	
Note: mixed oligo and astrocytoma [Glioma Malignant TGLS = 1-8]			
* Epididymis		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Brain Glioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701767
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 1-9]			
[Angiectasis TGLS = 1-9]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 9701767

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 9701768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	[Adenoma TGLS = 1-10]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Artery	Inflammation	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Minimal
* Skin	Subcut Tiss	Lipoma	
		[Lipoma TGLS = 1-12]	
* Testes		Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
	Artery	Inflammation	Mild
		[Atrophy TGLS = 2-10]	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701769

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Prostate		Inflammation	Minimal
* Testes	Interstitial Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-3]	
* Testes	Interstit Cell	Adenoma	Multiple
		[Adenoma TGLS = 1-10]	
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
[Atrophy TGLS = 1-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: 0 PPM

DISP: Natural Death

HISTO: 9701773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Epididymis
* Esophagus	* 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	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4-7]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Hemorrhage	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-13]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Pseudocyst	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 640 HISTO: 9701773
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701774
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Nose	* Pancreas
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 4-12]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Inflammation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2-13]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701775
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10]	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
Mesentery		Necrosis	Mild
	[Necrosis TGLS = 5-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701776
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-9]			
[Angiectasis TGLS = 6-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,3-12]			
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 597

DOSE: 0 PPM

DISP: Natural Death

HISTO: 9701777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Hemangiosarcoma	Metastatic (Skin)
		Inflammation	Minimal
		[Hemangiosarcoma TGLS = 5,6,7,8,9,10,11-4+5]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Pseudocyst	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Hemangiosarcoma	
		[Hemangiosarcoma TGLS = 1-12]	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		[Hematopoietic Cell Proliferation TGLS = 4-3]	
		[Leukemia Mononuclear TGLS = 4-3]	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 597 HISTO: 9701777
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10]

* Thymus	Atrophy	Marked
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PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Lung Hemangiosarcoma Skin

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 512

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Osteopetrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Marked
* Heart		Leukemia Mononuclear	
* Kidney		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
		[Leukemia Mononuclear TGLS = 2-6+7]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Necrosis	Marked
* Lymph Node, Mandibular		Leukemia Mononuclear	
		Necrosis	Marked
* Lymph Node, Mesenteric		Necrosis	Marked
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
* Testes	Interstitial Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 512

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701778

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 718

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Salivary Glands
* Skin	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-6+7]	
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-12]	
		[Leukemia Mononuclear TGLS = 10-15]	
		[Leukemia Mononuclear TGLS = 8-14]	
		[Leukemia Mononuclear TGLS = 6-13]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 718

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701779

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-6]

* Nose		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Marked
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	

[Angiectasis TGLS = 1-9]

[Leukemia Mononuclear TGLS = 1-9]

* Preputial Gland		Inflammation	Mild
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 2-12]

* Stomach, Forestomach		Edema	Mild
		Hyperplasia	Moderate
		Ulcer	Moderate

[Ulcer TGLS = 12-6+16]

* Stomach, Glandular		Erosion	Minimal
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[Erosion TGLS = 11-16]

* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal

[Adenoma TGLS = 4-10]

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Pancreas
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 5-6+7]		
* Lung		Hemorrhage	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-13]		
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701780
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-12]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4-10]	Interstit Cell	Adenoma	Multiple
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 730
DOSE: 0 PPM **DISP:** Terminal Sacrifice **HISTO:** 9701781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Parathyroid Gland
* Prostate	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
[Leukemia Mononuclear TGLS = 3-6+7]			
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Angiectasis TGLS = 5-9]			
* Preputial Gland		Inflammation	Mild
* Salivary Glands		Atrophy	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 9701781

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 642

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Foreign Body	
		Inflammation	Granulomatous, Mild
* Preputial Gland		Inflammation	Mild
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Skin Basal Cell Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 718
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 9701783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder	

OBSERVATIONS

Blood Vessel		Schwannoma Malignant	Metastatic (Skin)
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Pancreas		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Moderate
Skeletal Muscle		Sarcoma	Metastatic (Skin)
[Sarcoma TGLS = 5-14]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 2-13]			
* Spleen		Fibrosis	Marked
[Fibrosis TGLS = 4-3]			
* Testes	Interstitial Cell	Adenoma	Multiple
[Adenoma TGLS = 3-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland		Sarcoma	Metastatic (Skin)
* Trachea		Sarcoma	Metastatic (Skin)

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 648

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Brain		Necrosis	Mild
[Necrosis TGLS = 6-8]			
* Kidney		Nephropathy Pigmentation	Minimal Minimal
* Liver	Centrilobular	Basophilic Focus Degeneration Degeneration	Minimal Minimal Cystic, Minimal
	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung	Mediastinal	Leukemia Mononuclear Pigmentation	Mild
Lymph Node		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric	Fat	Necrosis	Moderate
Mesentery			
[Necrosis TGLS = 2-12]			
* Nose		Inflammation	Mild
* Pancreas		Atrophy Cytoplasmic Alteration	Minimal Minimal
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 648 HISTO: 9701784
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Stomach, Forestomach		Hyperplasia	Moderate
		Inflammation	Moderate
		Ulcer	Marked
[Ulcer TGLS = 5-6]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-10]			
[Hyperplasia TGLS = 3-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 361

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Mild
* Kidney	Renal Tubule	Degeneration	Minimal
		Pigmentation	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Seminal Vesicle		Inflammation	Minimal
* Spleen		Pigmentation	Mild
* Testes		Atrophy	Moderate
	Interstitial Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
	[Leukemia Mononuclear TGLS = 2-3]		
* Liver	Centrilobular	Degeneration	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 11-6]		
	[Leukemia Mononuclear TGLS = 9-6+7]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 13-15]		
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701786

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-14]			
[Leukemia Mononuclear TGLS = 6-13]			
[Leukemia Mononuclear TGLS = 5-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-16]			
* Nose		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Minimal
Note: ectopic bone noted			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
		Leukemia Mononuclear	
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7,8-14]			
* Stomach, Glandular		Ulcer	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-10]			
[Hyperplasia TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose		Foreign Body	
		Inflammation	Mild
* Pancreas		Inflammation	Minimal
* Preputial Gland		Inflammation	Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12]			
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]		Mesothelioma Malignant	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701787

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Marked
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Marked
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	[Adenoma TGLS = 1-10]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 9701789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Nose		Foreign Body	
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Testes		Atrophy	Marked
		[Atrophy TGLS = 1-10]	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 613

DOSE: 0 PPM

DISP: Natural Death

HISTO: 9701790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Ulcer	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Marked
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 4-5]		
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Hemorrhage	Minimal
	Pars Distalis	Hyperplasia	Minimal
	Pars Distalis	Pseudocyst	Mild
	Pars Intermed	Pseudocyst	Minimal
	[Hemorrhage TGLS = 5-9]		
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 613 HISTO: 9701790
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Necrosis TGLS = 2-3]		Necrosis	Marked
* Testes [Adenoma TGLS = 1-10] [Hyperplasia TGLS = 1-10]	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Multiple Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 9701791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Pigmentation	Minimal
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 3-7]			
Mesentery	Fat	Inflammation	Moderate
[Inflammation TGLS = 2-12]			
* Pancreas		Atrophy	Minimal
		Cytoplasmic Alteration	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Salivary Glands	Duct	Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mandibular		Ectasia	Mild
* Nose		Inflammation	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Skin		Keratoacanthoma	
		[Keratoacanthoma TGLS = 1-12]	
* Testes	Interstitial Cell	Adenoma	Multiple
		[Adenoma TGLS = 2-10]	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
Note: Hematopoiesis in fat adjacent to kidney.			
* Liver	Centrilobular Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear	Mild Moderate
	[Hyperplasia TGLS = 5-6+7] [Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Inflammation Necrosis	Mild Moderate
	[Necrosis TGLS = 7-4+5]		
Lymph Node	Renal Renal	Hyperplasia Necrosis	Plasma Cell, Moderate Marked
	[Hyperplasia TGLS = 3-13] [Necrosis TGLS = 3-13]		
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
	[Hyperplasia TGLS = 1-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 723 HISTO: 9701793
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Moderate
* Preputial Gland		Inflammation	Moderate
* Skin		Trichoepithelioma	
	[Trichoepithelioma TGLS = 6-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-3]		
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 2-10]		
* Thymus		Atrophy	Marked
* Thyroid Gland		Inflammation	Mild
Tooth	Peridont Tiss	Inflammation	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 454

DOSE: 0 PPM

DISP: Natural Death

HISTO: 9701794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
		Necrosis	Marked
* Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Marked
* Preputial Gland		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		Hyperplasia	Stromal, Marked
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Nose		Foreign Body	
		Inflammation	Minimal
* Pituitary Gland	Pars Intermed	Cyst	Minimal
	Pars Distalis	Pseudocyst	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
		[Adenoma TGLS = 1-10]	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Intestine Large, Cecum

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Malignant	Minimal
	[Pheochromocytoma Malignant TGLS = 4-12]		
Blood Vessel	Vena Cava	Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Bone Marrow		Hyperplasia Leukemia Mononuclear	Mild
* Epididymis		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung	Alveolar Epith	Hyperplasia Inflammation Leukemia Mononuclear Pheochromocytoma Malignant	Moderate Minimal Metastatic (Adrenal Medulla)
* Lymph Node, Mandibular		Ectasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
	Pars Distalis	Pseudocyst	Mild
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701796
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-3]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-10]	Interstit Cell	Adenoma Hyperplasia	Multiple Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Testes	Interstitial Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 569

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 6-3]			
* Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-4]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 569 HISTO: 9701798
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 4-10]			
[Hyperplasia TGLS = 4-10]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 730
DOSE: 0 PPM **DISP:** Terminal Sacrifice **HISTO:** 9701799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Preputial Gland		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
		[Hepatodiaphragmatic Nodule TGLS = 3-6]	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-12]	
* Preputial Gland		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
		[Adenoma TGLS = 2-10]	
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701800

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 2-3]			
* Testes	Interstitial Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 611

DOSE: 0 PPM

DISP: Natural Death

HISTO: 9701802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney			
Note: Kidneys are autolyzed, as is rest of rat; autolysis is believed to have contributed to gross observation.			
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
Mesentery	Fat	Necrosis	Minimal
* Nose		Foreign Body	
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-12]			
* Salivary Glands		Cytoplasmic Alteration	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 611

DOSE: 0 PPM

DISP: Natural Death

HISTO: 9701802

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 687

DOSE: 0 PPM

DISP: Natural Death

HISTO: 9701803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 4-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Mesothelioma Malignant	
Lymph Node	Mediastinal	Mesothelioma Malignant	
Note: Mesothelioma fills mediastinal lymph node.			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
		Mesothelioma Malignant	
* Salivary Glands		Schwannoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 687 HISTO: 9701803
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ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Mesothelioma Malignant	
* Spleen		Mesothelioma Malignant	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	
	[Adenoma TGLS = 2-10]		
	[Hyperplasia TGLS = 2-10]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Epididymis Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
[Hepatocellular Carcinoma TGLS = 3-6]			
* Pancreas		Atrophy	Minimal
* Preputial Gland		Adenoma	
		Inflammation	Mild
[Adenoma TGLS = 1-12]			
* Prostate		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	Multiple
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701804

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Natural Death

HISTO: 9701805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Marked
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Liver		Fibrous Histiocytoma Necrosis	Metastatic (Skin) Marked
[Fibrous Histiocytoma TGLS = 4-6+7]			
* Lung		Fibrous Histiocytoma	Metastatic (Skin)
* Preputial Gland		Inflammation	Minimal
* Skin		Fibrous Histiocytoma	
[Fibrous Histiocytoma TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Marked
[Atrophy TGLS = 3-3]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Multiple Minimal
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Skin Fibrous Histiocytoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Fibrous Histiocytoma Skin

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung		Inflammation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Nose		Foreign Body	
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Moderate
	[Thrombosis TGLS = 5-7]		
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Degeneration TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Stomach, Glandular		Erosion	Minimal
* Testes		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701807

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 2-10]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48	TRT#: 1	SEX: Male	DAY ON TEST: 614
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 9701808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Mild
* Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-9]		
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701808

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Mild
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3,4-7+6]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701809
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ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 313

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Esophagus	* 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	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-14]		
Mesentery		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
	Pars Intermed	Pseudocyst	Mild
* Preputial Gland		Inflammation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 313

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701810

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Leukemia Mononuclear
* Salivary Glands		Leukemia Mononuclear
* Seminal Vesicle		Leukemia Mononuclear
* Skin	Subcut Tiss	Leukemia Mononuclear
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 1-12]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 617

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 13-8]		
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,11-6+7+12]		
* Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
		Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 8,9,10-4+5+5]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Necrosis	Marked
	[Leukemia Mononuclear TGLS = 7-12]		
	[Necrosis TGLS = 12-6]		
* Lymph Node, Mandibular		Necrosis	Marked
	[Necrosis TGLS = 15-8]		
* Lymph Node, Mesenteric		Necrosis	Marked
	[Necrosis TGLS = 14-13]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51	TRT#: 3	SEX: Male	DAY ON TEST: 617
	DOSE: 10 PPM	DISP: Moribund Sacrifice	HISTO: 9701811

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Mild
		Cyst	Mild
[Angiectasis TGLS = 2-9]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
		Leukemia Mononuclear	
[Carcinoma TGLS = 6-9]			
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 696 HISTO: 9701812
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Skin	Subcut Tiss	Melanoma Malignant	
[Melanoma Malignant TGLS = 1-12]			
* Spleen		Pigmentation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Trachea		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Testes	Interstitial Cell	Adenoma	Multiple
	Interstitial Cell	Hyperplasia	Moderate
[Adenoma TGLS = 1-10]			
[Hyperplasia TGLS = 1-10]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
Tissue NOS	Thoracic	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 3-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 3-12]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Lymph Node, Mesenteric		Ectasia	Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
[Atrophy TGLS = 2-10]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701814
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone		Osteopetrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Degeneration	Cystic, Minimal
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Cyst	Minimal
Note: Cyst filled with mucus-type cells or granuloma of uncertain etiology.			
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Edema	Mild
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55	TRT#: 3	SEX: Male	DAY ON TEST: 659
	DOSE: 10 PPM	DISP: Moribund Sacrifice	HISTO: 9701815

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
* Urinary Bladder	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
		[Leukemia Mononuclear TGLS = 4-6+7]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
		[Hyperplasia TGLS = 2-9]	
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-3]	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
		[Adenoma TGLS = 1-10]	
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 10 PPM	DISP: Terminal Sacrifice	HISTO: 9701816

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Artery	Inflammation	Moderate
	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1,2-7+6]			
* Lung		Inflammation	Minimal
* Pancreas		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 4-12]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 708

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Schwannoma Malignant	Metastatic (Skin)
* Mammary Gland		Hyperplasia	Minimal
* Nose		Foreign Body	
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2-12]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 708 HISTO: 9701818
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Thrombosis	Moderate
[Thrombosis TGLS = 7-7]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Spleen		Infarct	Marked
		Leukemia Mononuclear	
[Infarct TGLS = 4-3]			
[Leukemia Mononuclear TGLS = 3-3]			
* Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701819
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10] [Atrophy TGLS = 2-10]		Atrophy	Marked
* Thymus * Thyroid Gland [Carcinoma TGLS = 6-9]	C Cell	Atrophy Carcinoma	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Atrophy	Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 4-12]		
* Nose		Inflammation	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701820
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Phochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Inflammation	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lymph Node, Mandibular		Ectasia	Mild
* Nose		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Testes	Interstit Cell	Adenoma	Multiple
		[Adenoma TGLS = 1-10]	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 1,2-6+12]			
* Nose		Foreign Body	
		Inflammation	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Nose	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 3-10]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701823

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-7]			
* Lung		Inflammation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-13]			
* Nose		Foreign Body	
		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Adenoma	
[Adenoma TGLS = 4-11]			
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-12]			
* Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701824
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 1-12]		
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 4-3]		
	[Leukemia Mononuclear TGLS = 3-3]		
* Testes	Interstitial Cell	Adenoma	
		Cyst	Marked
	Interstitial Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 10 PPM	DISP: Terminal Sacrifice	HISTO: 9701825

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

[Leukemia Mononuclear TGLS = 2-10]

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mesenchymal Tumor Malignant	
		Nephropathy	Mild
[Mesenchymal Tumor Malignant TGLS = 2-3]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
Mesentery		Inflammation	Mild
* Pancreas		Cytoplasmic Alteration	Minimal
	Duct	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
	[Fibroma TGLS = 5-14]		
	[Keratoacanthoma TGLS = 4-13]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 1-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701827
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Preputial Gland		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 669

DOSE: 10 PPM

DISP: Natural Death

HISTO: 9701829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
	[Thrombosis TGLS = 5-7]		
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Inflammation	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Marked
	Pars Distalis	Hyperplasia	Moderate
	[Angiectasis TGLS = 2-9]		
	[Hyperplasia TGLS = 2-9]		
* Preputial Gland		Carcinoma	
	[Carcinoma TGLS = 1-12]		
* Prostate		Inflammation	Marked
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 669 HISTO: 9701829
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ORGAN AND ACCOUNTABLE SITE STATUS

		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
[Atrophy TGLS = 3-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstitial Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 709

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Thrombosis	Moderate
[Thrombosis TGLS = 5-7]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-12]		Hyperplasia	Mild
* Lung		Inflammation	Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
[Ectasia TGLS = 4-12]			
* Nose		Foreign Body	
		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
		Inflammation	Minimal
[Adenoma TGLS = 1-13]			
* Prostate		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 709 HISTO: 9701831
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Ulcer	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Heart Thrombosis
CONTRIBUTORY CAUSE OF DEATH	- Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 10 PPM	DISP: Terminal Sacrifice	HISTO: 9701832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Histiocytic Sarcoma	
	Bile Duct	Hyperplasia	Minimal
[Histiocytic Sarcoma TGLS = 2-6+7]			
* Lung		Fibrous Histiocytoma	Metastatic (Liver)
		Inflammation	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Histiocytic Sarcoma	Metastatic (Liver)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Inflammation	Mild
[Inflammation TGLS = 3-13]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]		Angiectasis	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701833
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Minimal
* Lung		Inflammation	Minimal
Lymph Node	Inguinal	Hyperplasia	Plasma Cell, Marked
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Marked
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Prostate		Inflammation	Minimal
* Skin		Inflammation	Marked
[Inflammation TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 4-3]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-13]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
		Hyperplasia	Marked
[Angiectasis TGLS = 4-9]			
[Hyperplasia TGLS = 4-9]			
* Preputial Gland	Duct	Cyst	Mild
		Inflammation	Mild
[Cyst TGLS = 1-11]			
* Prostate		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701835
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
* Lung		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Testes	Interstitial Cell	Adenoma	Multiple
	Interstitial Cell	Hyperplasia	Mild
		[Adenoma TGLS = 1-10]	
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	Multiple
[Pheochromocytoma Malignant TGLS = 4-9]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Lymph Node, Mandibular		Ectasia	Mild
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Testes	Interstitial Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701837
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 585

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Adrenal Medulla		Infiltration Cellular	Lymphocyte, Mild
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Pigmentation	Mild
Note: brown droplets			
[Pigmentation TGLS = 8-3]			
* Liver	Centrilobular	Degeneration	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 7-6+7]			
Lymph Node	Mediastinal	Pigmentation	Marked
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-12]			
* Pancreas		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-6]			
* Preputial Gland		Inflammation	Mild
* Prostate		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	
Skeletal Muscle		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 585 HISTO: 9701838
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ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 9-12]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Interstit Cell	Adenoma	Multiple
		Atrophy	Marked
		Mesothelioma Malignant	
[Adenoma TGLS = 2-10]			
[Atrophy TGLS = 3-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Epididymis Mesothelioma Malignant

Animal Note: Most abdominal serosal surfaces have mesothelioma cells attached to them.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701839

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, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Epididymis	Mesothelium	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Leukemia Mononuclear TGLS = 5-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Note: panc node also filled with clusters of macrophages		
	[Leukemia Mononuclear TGLS = 4-13]		
* Lymph Node, Mandibular		Ectasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Duct	Cyst	Minimal
		Inflammation	Mild
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701839
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lymph Node, Mandibular		Ectasia	Minimal
* Pancreas		Inflammation	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 4-3]			
* Testes	Interstitial Cell	Adenoma	Multiple
		Atrophy	Marked
	Interstitial Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
[Atrophy TGLS = 3-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701840

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Mild
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12]			
* Pancreas		Atrophy	Minimal
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]		Angiectasis	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-11]		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Skin	Subcut Tiss	Lipoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701841
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ORGAN AND ACCOUNTABLE SITE STATUS

[Lipoma TGLS = 4-13]			
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 10 PPM

DISP: Natural Death

HISTO: 9701842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Heart		Cardiomyopathy	Mild
		Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
		Thrombosis	Minimal
	Lymph Node	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
* Pancreas		Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 723 HISTO: 9701842
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Mild
* Prostate	Dorsal	Cyst Inflammation	Mucous, Moderate Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Testes	Interstit Cell	Adenoma Atrophy	Multiple Marked
[Adenoma TGLS = 4-10]			
[Atrophy TGLS = 5-10]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 729
DOSE: 10 PPM **DISP:** Terminal Sacrifice **HISTO:** 9701843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Nose		Foreign Body	
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Hyperplasia	Minimal
	[Adenoma TGLS = 2-9]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 1-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701843

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 410

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adren Cortex			
Note: only 1 adrenal on slide			
* Heart	Epicardium	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Hemorrhage	Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Necrosis	Moderate
		Thrombosis	Marked
[Hemorrhage TGLS = 1-6+7+13]			
[Necrosis TGLS = 1-6+7+13]			
[Thrombosis TGLS = 2,4-12+16]			
* Lung		Squamous Cell Carcinoma	Metastatic (Lung)
		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-14+15]			
Lymph Node	Mediastinal	Squamous Cell Carcinoma	Metastatic (Lung)
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 410 HISTO: 9701844
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy Squamous Cell Carcinoma	Marked Metastatic (Lung)
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PRIMARY CAUSE OF DEATH	- Lung Squamous Cell Carcinoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 585

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6+7]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Hemorrhage	Marked
	[Hemorrhage TGLS = 2,3-12]		
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Testes	Interstitial Cell	Adenoma	Multiple
	[Adenoma TGLS = 4-10]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 663

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Marked
	[Thrombosis TGLS = 10-7]		
* Intestine Small, Ileum		Parasite Metazoan	
* Kidney		Infarct	Mild
		Nephropathy	Mild
		Pigmentation	Minimal
	[Infarct TGLS = 6-3]		
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6+7]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-14]		
	[Leukemia Mononuclear TGLS = 4-12]		
	[Leukemia Mononuclear TGLS = 8-13]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86	TRT#: 3	SEX: Male	DAY ON TEST: 663
	DOSE: 10 PPM	DISP: Moribund Sacrifice	HISTO: 9701846

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-6]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Stomach, Glandular		Erosion	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 512

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Ependymoma Malignant	
* Epididymis		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Stomach, Forestomach		Edema	Moderate
		Hyperplasia	Mild
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Marked
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Brain Ependymoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 592

DOSE: 10 PPM

DISP: Natural Death

HISTO: 9701848

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
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 8-6+7]			
* Lymph Node, Mesenteric		Hyperplasia	Reticulum Cell, Mild
[Hyperplasia TGLS = 9-6]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-12]			
* Pancreas		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 7-6]			
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 10-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 592 HISTO: 9701848
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ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle [Mesothelioma Malignant TGLS = 6-12]		Mesothelioma Malignant	
* Spleen		Hematopoietic Cell Proliferation Mesothelioma Malignant	Mild
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia Mesothelioma Malignant	Multiple Mild
[Adenoma TGLS = 3-10]			
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH	- Epididymis	Mesothelioma Malignant
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 386

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lymph Node, Mesenteric		Hyperplasia	Reticulum Cell, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Testes	Interstitial Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Carcinoma	

[Carcinoma TGLS = 1-12]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 663

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-12]			
* Lung		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Prostate		Inflammation	Moderate
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Mild
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
[Accessory Spleen TGLS = 2-3]			
* Stomach, Glandular		Ulcer	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 718

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-13]			
* Spleen		Hyperplasia	Lymphoid, Marked
* Stomach, Forestomach		Hyperplasia	Mild
		Inflammation	Minimal
[Hyperplasia TGLS = 5-12]			
* Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 718 HISTO: 9701852
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Nose	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-3]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Marked
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Testes	Interstitial Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 10 PPM

DISP: Moribund Sacrifice

HISTO: 9701853

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Minimal
* Nose		Foreign Body	
		Inflammation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701854

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 729
DOSE: 10 PPM **DISP:** Terminal Sacrifice **HISTO:** 9701856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Mild
		Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Preputial Gland		Inflammation	Minimal
* Spleen		Hyperplasia	Reticulum Cell, Marked
[Hyperplasia TGLS = 2-12]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701856

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
		[Adenoma TGLS = 2-9]	
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
		[Adenoma TGLS = 1-10]	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	Multiple
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: 10 PPM

DISP: Natural Death

HISTO: 9701858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-14]			
[Leukemia Mononuclear TGLS = 8-13]			
[Leukemia Mononuclear TGLS = 7-4]			
[Leukemia Mononuclear TGLS = 10-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Nose		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 639 HISTO: 9701858
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear Atrophy	Minimal
		Cytoplasmic Alteration	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		
* Testes	Interstit Cell	Adenoma	Multiple
	[Adenoma TGLS = 3-10]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Skin		Hyperkeratosis	Mild
		Hyperplasia	Mild
		Ulcer	Mild
[Ulcer TGLS = 4-12]			
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-3]			
[Leukemia Mononuclear TGLS = 2-3]			
* Testes		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99	TRT#: 3 DOSE: 10 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701859
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ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 1-10]	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 10 PPM

DISP: Terminal Sacrifice

HISTO: 9701860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland	Duct	Cyst	Minimal
		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 1-3]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 557

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 723

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	* 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	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
		Necrosis	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Thrombosis	Mild
	[Leukemia Mononuclear TGLS = 1-6+7]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4+5]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 723 HISTO: 9701862
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Leukemia Mononuclear Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-3+12]			
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia Mesothelioma Malignant	Multiple Mild
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Inflammation	Granulomatous, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Marked
* Preputial Gland		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
		[Adenoma TGLS = 1-10]	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Marked
[Inflammation TGLS = 2-12]			
* Seminal Vesicle		Inflammation	Marked
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701864
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
Urethra Note: urethra calculi noted		Inflammation	Marked
* Urinary Bladder		Inflammation	Moderate

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Hyperplasia	Marked
		Inflammation	Mild
		[Hyperplasia TGLS = 2-11]	
* Skin		Keratoacanthoma	
		[Keratoacanthoma TGLS = 1-12]	
* Testes	Interstitial Cell	Adenoma	Multiple
	Interstitial Cell	Hyperplasia	Mild
		[Adenoma TGLS = 3-10]	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Mild
		[Hyperplasia TGLS = 4-9]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701865

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 715

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Trachea		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
		Leukemia Mononuclear	
		Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Rectum		Inflammation	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
	[Fibroadenoma TGLS = 4-12]		
* Pancreas		Atrophy	Minimal
* Preputial Gland	Duct	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 715 HISTO: 9701866
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-3]		Inflammation Leukemia Mononuclear	Minimal
* Stomach, Forestomach * Stomach, Glandular		Ulcer Leukemia Mononuclear	Minimal
* Testes [Adenoma TGLS = 2-10]	Interstit Cell	Ulcer Adenoma	Minimal Multiple
* Thymus * Thyroid Gland * Urinary Bladder	C Cell	Atrophy Hyperplasia Leukemia Mononuclear	Moderate Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12]			
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-9]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701867

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 508

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Hemorrhage	Marked
[Adenoma TGLS = 3-9]			
[Hemorrhage TGLS = 3-9]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Spleen		Pigmentation	Mild
* Stomach, Glandular		Ulcer	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 691

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Nose		Foreign Body	
		Inflammation	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
		[Fibroma TGLS = 2-12]	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Mild
		[Adenoma TGLS = 1-10]	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 614

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 10-8]		
	[Leukemia Mononuclear TGLS = 10,11,12-8]		
* Heart		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-13]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6+7]		
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		Leukemia Mononuclear	
		Leukemia Mononuclear	

Note: TGL 7-13 refers to axillary node; axillary designation is not in NTP lexicon.

[Leukemia Mononuclear TGLS = 8-4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 614

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701870

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 7-13]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 13-7+12]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-6]		
	[Inflammation TGLS = 4-6+7]		
	[Leukemia Mononuclear TGLS = 6-6+7]		
* Lung		Inflammation	Minimal
* Lymph Node, Mandibular		Ectasia	Mild
* Mammary Gland		Cyst	Mild
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hyperplasia	Reticulum Cell, Marked
		Infiltration Cellular	Lipocyte, Mild

Note: irregular area of fat infiltration present
 [Hyperplasia TGLS = 2,3-3]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701871
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Mild
* Lung		Inflammation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Mild
* Prostate	Dorsal	Cyst	Mucous, Moderate
		Inflammation	Moderate
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Testes	Interstitial Cell	Adenoma	Multiple
[Adenoma TGLS = 3-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701873

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 400

DOSE: 30 PPM

DISP: Natural Death

HISTO: 9701874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Bone Marrow		Necrosis	Marked
* Heart		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-12]			
* Liver	Centrilobular	Necrosis	Moderate
Mesentery	Fat	Necrosis	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Heart Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* 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	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Necrosis	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Pancreas	Artery	Inflammation	Mild
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-11]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Foreign Body	
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
Mesentery		Inflammation	Mild
		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-12]			
* Nose		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701876
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]		Mesothelioma Malignant	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701877

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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
* Nose		Inflammation	Minimal
* Preputial Gland		Inflammation	Minimal
* Spleen		Fibrosis	Minimal
	[Fibrosis TGLS = 2-3]		
* Stomach, Forestomach		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 3-6]		
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 1-10]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 585

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Seminal Vesicle	* Skin
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-13]		
	[Leukemia Mononuclear TGLS = 9-15]		
	[Leukemia Mononuclear TGLS = 8-14]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-16]		
Mesentery		Hemorrhage	Marked
	[Hemorrhage TGLS = 3-12]		
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 585

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701878

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Stomach, Forestomach		Edema	Mild
		Hyperplasia	Minimal
[Edema TGLS = 11-6]			
[Hyperplasia TGLS = 11-7]			
* Stomach, Glandular		Erosion	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
		Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 5-10]			
[Atrophy TGLS = 4-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Mild
		Inflammation	Mild
[Hyperplasia TGLS = 1-12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Testes		Seminoma Malignant	
[Seminoma Malignant TGLS = 2-10]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 5
DOSE: 30 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701879

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 523

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
	Artery	Inflammation	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Hyperplasia	Moderate
		Inflammation	Minimal
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 2-10]		
* Thymus		Atrophy	Moderate
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLS = 1-12]		

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
Lymph Node	Mediastinal	Pigmentation	Moderate
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 721

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Thrombosis	Moderate
* Kidney		Necrosis	Marked
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
		[Hepatodiaphragmatic Nodule TGLS = 6-7]	
		[Leukemia Mononuclear TGLS = 5-6+7]	
* Lung		Thrombosis	Minimal
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 7-12]	
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
		[Fibrosis TGLS = 4-3]	
		[Leukemia Mononuclear TGLS = 3-3]	
* Testes	Interstitial Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 721 HISTO: 9701882
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10] [Atrophy TGLS = 2-10]		Atrophy	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Thrombosis;Kidney Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
		Thrombosis	Marked
[Thrombosis TGLS = 4-7]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lym Node Mand			
Note: perinodal edema present			
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
	Duct	Cyst	Marked
		Hyperplasia	Marked
		Inflammation	Mild
[Adenoma TGLS = 5-12]			
[Cyst TGLS = 1-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 725 HISTO: 9701883
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ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-12]			
* Prostate		Inflammation	Minimal
* Skin		Edema	Moderate
		Inflammation	Mild
[Edema TGLS = 6,7-13+14]			
[Inflammation TGLS = 6-13]			
* Spleen	Lymph Follic	Atrophy	Moderate
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Heart Thrombosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 691

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 1-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 691

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701884

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
Eye		Cataract	Mild
	Retina	Degeneration	Moderate
[Cataract TGLS = 1-12]			
* Heart		Cardiomyopathy	Moderate
		Thrombosis	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5
DOSE: 30 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 9701885

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell
Follicular Cel

Hyperplasia
Hyperplasia

Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 562

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 6-8]		
	[Leukemia Mononuclear TGLS = 6-8]		
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
		Ulcer	Mild
	[Ulcer TGLS = 7-7]		
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Large, Rectum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 562

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701886

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 9-6]		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland [Leukemia Mononuclear TGLS = 4-9]		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 2-3]		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular [Ulcer TGLS = 10-7]		Mineralization Ulcer	Minimal Moderate
* Testes [Atrophy TGLS = 1-10]	Interstit Cell	Atrophy Hyperplasia	Mild Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-9]			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung	Alveolar Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Preputial Gland		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701888
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ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	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
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis	Mesothelium	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701889
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-12]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-10]	Interstit Cell Mesothelium	Adenoma Hyperplasia	Multiple Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
[Angiectasis TGLS = 4-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 5
DOSE: 30 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701890

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 712

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
		Necrosis	Mild
		Thrombosis	Minimal
* Epididymis		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
		Thrombosis	Mild
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
		Thrombosis	Marked
[Infarct TGLS = 4,5-3]			
* Liver	Centrilobular	Degeneration	Marked
		Fibrosis	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Leukemia Mononuclear	
		Thrombosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 712

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701891

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-4]

Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 6-6]

* Pancreas		Thrombosis	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 2-3]

* Stomach, Glandular		Ulcer	Minimal
* Testes	Interstit Cell	Adenoma	Multiple

[Adenoma TGLS = 1-10]

* Thymus		Leukemia Mononuclear	
* Thyroid Gland		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 7-9]

* Urinary Bladder		Leukemia Mononuclear	
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PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Mild
* Liver	Centrilobular	Degeneration	Mild
		Degeneration	Cystic, Minimal
		Hemorrhage	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 5-9]		
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 646 HISTO: 9701892
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Lung		Inflammation	Minimal
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-12]			
* Pancreas		Atrophy	Mild
		Mesothelioma Malignant	
* Pituitary Gland		Cyst	Minimal
[Cyst TGLS = 5-9]			
* Preputial Gland		Hyperplasia	Moderate
		Inflammation	Minimal
[Hyperplasia TGLS = 3-11]			
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9701893
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia Mesothelioma Malignant	Multiple Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 653

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6]	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	

Note: MCL contributed to areas of lymphoid and red pulp depletion, which created deformity (gross depression).

[Leukemia Mononuclear TGLS = 1-3]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 653 HISTO: 9701894
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Ulcer	Mild
* Testes [Adenoma TGLS = 2-10]	Interstit Cell	Adenoma	Multiple
* Thymus		Atrophy	Marked
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 537

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701895

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-11]			
* Heart		Cardiomyopathy	Minimal
	Endocardium	Degeneration	Minimal
* Kidney		Pigmentation	Mild
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Inflammation	Mild
Lymph Node	Mediastinal	Pigmentation	Marked
[Pigmentation TGLS = 3-13]			
Mesentery		Mesothelioma Malignant	
Note: Mesothelioma is diffuse; affects serosa of most abdominal organs and peritoneum.			
[Mesothelioma Malignant TGLS = 1-12]			
* Preputial Gland		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Interstitial Cell	Adenoma	Multiple
[Adenoma TGLS = 5-10]		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 537 HISTO: 9701895
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ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 2-10]

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 682

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6+7]			
* Lung		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Duct	Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-3]			
[Leukemia Mononuclear TGLS = 4-3]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 5
DOSE: 30 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 682
HISTO: 9701896

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
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PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Lipoma	
[Lipoma TGLS = 5-12]			
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 4-9]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 708 HISTO: 9701897
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-12]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-10]	Interstit Cell	Adenoma	Multiple
* Thyroid Gland [Carcinoma TGLS = 6-9]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung		Inflammation	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 675

DOSE: 30 PPM

DISP: Natural Death

HISTO: 9701899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Carcinoma	
[Carcinoma TGLS = 5-12]			
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6+7]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,6-3]			
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 7-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-6]			
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Nose		Foreign Body	
		Inflammation	Mild
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Minimal
* Skin		Basal Cell Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140	TRT#: 5	SEX: Male	DAY ON TEST: 708
	DOSE: 30 PPM	DISP: Moribund Sacrifice	HISTO: 9701900

ORGAN AND ACCOUNTABLE SITE STATUS

[Basal Cell Adenoma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,3-3]			
* Stomach, Glandular		Erosion	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 4-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea		Inflammation	Mild

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland		Hemorrhage	Mild
	[Hemorrhage TGLS = 6-9]		
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
	[Fibrosis TGLS = 5-12]		
	[Leukemia Mononuclear TGLS = 4-12]		
* Testes	Interstitial Cell	Adenoma	Multiple
	[Adenoma TGLS = 1-10]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701901
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Adenoma	Multiple
	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hemorrhage	Marked
		Hyperplasia	Marked
		Leukemia Mononuclear	
[Hemorrhage TGLS = 6-9]			
[Hyperplasia TGLS = 6-9]			
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
		Pigmentation	Mild
* Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Schwannoma Malignant	Metastatic (Skin)
[Leukemia Mononuclear TGLS = 3-6+7]			
[Schwannoma Malignant TGLS = 5-15]			
* Lung		Leukemia Mononuclear	
		Schwannoma Malignant	Metastatic (Skin)
[Schwannoma Malignant TGLS = 7,8-4+5+14]			
* Preputial Gland		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 701 HISTO: 9701902
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ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands		Schwannoma Malignant	Metastatic (Skin)
* Skin	Subcut Tiss	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 4-10]			
* Thymus		Atrophy	Marked
Tooth	Gingiva	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9701903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Mild
Mesentery		Mesothelioma Malignant	
	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]		Mesothelioma Malignant	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 663

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Intestine Small, Ileum		Inflammation	Mild
* Kidney		Pigmentation	Mild
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Mild
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5
DOSE: 30 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 663
HISTO: 9701904

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 549

DOSE: 30 PPM

DISP: Natural Death

HISTO: 9701905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* 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	* Parathyroid Gland	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-9]			
* Brain		Oligodendroglioma Malignant	
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Mild
* Pancreas	Artery	Inflammation	Moderate
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Marked
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Interstitial Cell	Adenoma	Multiple
	Interstitial Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Brain Oligodendroglioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 676

DOSE: 30 PPM

DISP: Natural Death

HISTO: 9701906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-12]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Hemorrhage	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Necrosis	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Necrosis	Minimal
* Lung		Edema	Minimal
* Nose		Foreign Body	
		Inflammation	Minimal
* Pancreas		Necrosis	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Testes	Interstitial Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 482

DOSE: 30 PPM

DISP: Natural Death

HISTO: 9701907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Meningioma Malignant	
[Meningioma Malignant TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Brain Meningioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 602

DOSE: 30 PPM

DISP: Natural Death

HISTO: 9701908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Oligodendroglioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis	Inflammation	Mild
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Thrombosis	Mild
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Lung		Inflammation	Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 4-12]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 602 HISTO: 9701908
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 444

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Stomach, Glandular
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3]			
* Liver	Centrilobular	Degeneration	Mild
[Leukemia Mononuclear TGLS = 1-6+7]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-4+5]			
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
[Leukemia Mononuclear TGLS = 5-14]			
[Leukemia Mononuclear TGLS = 6-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-13]			
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5
DOSE: 30 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 444
HISTO: 9701909

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Leukemia Mononuclear	
Note: MCL is also present within dermis.			
* Spleen		Infarct	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland		Leukemia Mononuclear	
* Trachea		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9701910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Epididymis
* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Minimal
[Pheochromocytoma Benign TGLS = 7-9]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Gliosis	Mild
* Heart		Thrombosis	Marked
[Thrombosis TGLS = 8-7]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear Mixed Cell Focus	Marked Moderate
[Leukemia Mononuclear TGLS = 4,5,6-6+7]			
[Mixed Cell Focus TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland		Angiectasis	Marked
[Angiectasis TGLS = 9-9]		Hyperplasia	Mild
	Pars Distalis		
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150	TRT#: 5 DOSE: 30 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 708 HISTO: 9701910
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-3]		Leukemia Mononuclear	
* Stomach, Forestomach		Ulcer	Minimal
* Stomach, Glandular		Erosion	Minimal
* Testes [Adenoma TGLS = 2-10]	Interstit Cell	Adenoma	Multiple
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Marked
* Nose		Foreign Body	
		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Fibrosis	Minimal

[Fibrosis TGLS = 3-3]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 9701911

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 1-10]		
	[Atrophy TGLS = 2-10]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 2-9]			
* Preputial Gland		Inflammation	Mild
* Prostate	Dorsal	Cyst	Mucous, Moderate
		Inflammation	Moderate
* Spleen		Pigmentation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Hypertrophy	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 4-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 7
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 9701913

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
		[Hepatocellular Adenoma TGLS = 6-13]	
		[Leukemia Mononuclear TGLS = 5-6+7]	
* Lung		Inflammation	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-12]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 7-9]	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 9701914

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-3]			
[Leukemia Mononuclear TGLS = 3-3]			
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 690

DOSE: 100 PPM

DISP: Natural Death

HISTO: 9701915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 12-8]		
	[Leukemia Mononuclear TGLS = 12-8]		
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Infarct	Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-6+7]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-4+5]		
Lymph Node	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-13]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 690

DOSE: 100 PPM

DISP: Natural Death

HISTO: 9701915

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-4]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-12+8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 6,7,8-12+12+3]			
[Necrosis TGLS = 7-12]			
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 9-10]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 699

DOSE: 100 PPM

DISP: Natural Death

HISTO: 9701916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fibrosis	Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Adenoma	
		Inflammation	Mild
	[Adenoma TGLS = 1-12]		
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstitial Cell	Adenoma	Multiple
	[Adenoma TGLS = 2-10]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung		Inflammation	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Testes	Interstitial Cell	Adenoma	Multiple
		Atrophy	Marked
	Interstitial Cell	Hyperplasia	Moderate
[Adenoma TGLS = 1-10]			
[Atrophy TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 537

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-14]			
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-3]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 4-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 537

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701918

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-13]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Minimal
	[Alveolar/Bronchiolar Carcinoma TGLS = 2-4]		
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-9]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701919

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 730
DOSE: 100 PPM **DISP:** Terminal Sacrifice **HISTO:** 9701920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lymph Node, Mandibular		Ectasia	Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2,3-3]	
* Testes	Interstitial Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701920

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 562

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Preputial Gland		Carcinoma	
		Inflammation	Minimal
	[Carcinoma TGLS = 1-12]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 4-3]		
* Testes	Interstitial Cell	Adenoma	Multiple
		Atrophy	Marked
	Interstitial Cell	Hyperplasia	Mild
	[Adenoma TGLS = 3-10]		
	[Atrophy TGLS = 2-10]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Testes	Interstitial Cell	Adenoma	Multiple
	Interstitial Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 3-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701922

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 676

DOSE: 100 PPM

DISP: Natural Death

HISTO: 9701923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Inflammation	Mild
* Intestine Large, Rectum		Ulcer	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Mild
[Pigmentation TGLS = 5-3]			
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Inflammation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Stomach, Forestomach		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163	TRT#: 7	SEX: Male	DAY ON TEST: 676
	DOSE: 100 PPM	DISP: Natural Death	HISTO: 9701923

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 6-6+7]			
* Stomach, Glandular		Erosion	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 585

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
Eye		Cataract	Mild
	Retina	Degeneration	Marked
	[Cataract TGLS = 1-12]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
		Pigmentation	Moderate
	[Pigmentation TGLS = 5-3]		
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Inflammation	Moderate
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Foreign Body	
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164	TRT#: 7	SEX: Male	DAY ON TEST: 585
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 9701924

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 659

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	[Basophilic Focus TGLS = 4-13]		
* Lung		Schwannoma Malignant	Metastatic (Skin)
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose		Foreign Body	
		Inflammation	Minimal
* Preputial Gland		Inflammation	Minimal
* Skin	Subcut Tiss	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 1-12]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Mineralization	Mild
* Testes	Interstit Cell	Adenoma	Multiple
	[Adenoma TGLS = 2-10]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 610

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
		Pigmentation	Moderate
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Testes	Interstit Cell	Adenoma	Multiple
	[Adenoma TGLS = 2-10]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	Multiple
	[Adenoma TGLS = 1-10]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 632

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* 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	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone			
Note: Focal abnormal cartilage area in epiphyseal plate.			
* Brain		Gliosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
		Pigmentation	Moderate
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2,3-12]			
[Leukemia Mononuclear TGLS = 1-3]			
* Testes	Interstitial Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168	TRT#: 7 DOSE: 100 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 632 HISTO: 9701928
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-10] [Hyperplasia TGLS = 4-10]	Interstit Cell	Hyperplasia	Minimal
* Thymus * Thyroid Gland [Adenoma TGLS = 6-9]	C Cell	Atrophy Adenoma	Marked
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 634

DOSE: 100 PPM

DISP: Natural Death

HISTO: 9701929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 14-8]		
	[Leukemia Mononuclear TGLS = 14-8]		
* Heart		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-13]		
* Kidney		Leukemia Mononuclear	
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-3+4]		
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 634
DOSE: 100 PPM **DISP:** Natural Death **HISTO:** 9701929

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-13]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-6]			
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-9]			
* Preputial Gland		Inflammation Leukemia Mononuclear	Mild
* Prostate		Inflammation Leukemia Mononuclear	Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Stomach, Glandular		Leukemia Mononuclear Necrosis	Moderate
[Necrosis TGLS = 13-12]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Multiple Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy Leukemia Mononuclear	Marked
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 7-9]			
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 569
DOSE: 100 PPM **DISP:** Moribund Sacrifice **HISTO:** 9701930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Moderate
[Pigmentation TGLS = 3-3]			
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6+7]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 723

DOSE: 100 PPM

DISP: Natural Death

HISTO: 9701931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
		[Leukemia Mononuclear TGLS = 2-6+7]	
		[Necrosis TGLS = 3-6+7]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 5-12]	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
		Leukemia Mononuclear	
* Spleen	Lymph Follic	Atrophy	Moderate
		Fibrosis	Minimal
		Leukemia Mononuclear	
		[Fibrosis TGLS = 4-12]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171	TRT#: 7 DOSE: 100 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 723 HISTO: 9701931
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Inflammation	Minimal
* Preputial Gland		Inflammation	Mild
* Testes	Interstitial Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 701

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: \

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, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 6-13]		
* Heart		Cardiomyopathy	Mild
		Thrombosis	Mild
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Marked
		Hemorrhage	Mild
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Moderate
		Necrosis	Mild
	[Degeneration TGLS = 5-6+7]		
	[Hepatocellular Carcinoma TGLS = 7-13]		
* Lung		Edema	Mild
		Hemorrhage	Mild
		Inflammation	Moderate
Lymph Node	Mediastinal	Pigmentation	Marked
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 6-13]		
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174	TRT#: 7	SEX: Male	DAY ON TEST: 701
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: \

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Minimal
* Seminal Vesicle		Mesothelioma Malignant	
* Skin		Fibrosis	Moderate
[Fibrosis TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 4-13]		Mesothelioma Malignant	
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 8-6]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 9-7]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Marked
[Adenoma TGLS = 3-10]		Mesothelioma Malignant	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Mesentery Mesothelioma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 490

DOSE: 100 PPM

DISP: Natural Death

HISTO: 9701935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
Note: TGL-3, pale/deformity of liver, is due to shrunken liver cords due to blood loss, as noted in TGL-2.			
Lymph Node	Mediastinal	Hemorrhage	Moderate
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Sarcoma	
[Sarcoma TGLS = 1-12]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Spleen Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Hypertrophy	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 5-13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 4-12]		
* Preputial Gland		Hyperplasia	Moderate
		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 9701936

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 1901937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone		Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
[Thrombosis TGLS = 4-7]			
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Marked
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Inflammation	Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Ulcer	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177	TRT#: 7	SEX: Male	DAY ON TEST: 722
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 1901937

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

[Atrophy TGLS = 2-10]

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Heart Thrombosis
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-6]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Testes	Interstitial Cell	Adenoma	Multiple
	[Adenoma TGLS = 1-10]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-11]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Mild
* Lung		Inflammation	Minimal
* Mammary Gland		Galactoceles	Minimal
		Hyperplasia	Minimal
[Galactoceles TGLS = 5-13]			
[Hyperplasia TGLS = 5-13]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-9]			
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Mesothelioma Malignant	
* Testes	Interstitial Cell	Adenoma	Multiple
		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701940

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-9]			
Blood Vessel	Aorta	Inflammation	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland	Duct	Cyst	Mild
		Hyperplasia	Marked
		Inflammation	Mild
[Cyst TGLS = 2-11]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-12]			
* Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 9701941

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 569

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701942

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
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 3-11]		
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
		Pigmentation	Minimal
	[Pigmentation TGLS = 8-3]		
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-6+7]		
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		Leukemia Mononuclear	

Note: TGL 15-17 is hepatic lymph node.

[Leukemia Mononuclear TGLS = 13-15]

[Leukemia Mononuclear TGLS = 10-4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 569

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701942

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-13]

[Leukemia Mononuclear TGLS = 12-14]

[Leukemia Mononuclear TGLS = 14-16]

[Leukemia Mononuclear TGLS = 15-17]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-8]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 16-18]

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

* Preputial Gland

Duct

Cyst

Marked

[Cyst TGLS = 1-12]

* Prostate

Inflammation

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-3]

* Stomach, Glandular

Ulcer

Minimal

* Testes

Interstit Cell

Adenoma

Multiple

Interstit Cell

Hyperplasia

Minimal

Mesothelioma Malignant

[Adenoma TGLS = 2-10]

[Mesothelioma Malignant TGLS = 4-10]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 11-9]

* Thyroid Gland

C Cell

Adenoma

Multiple

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 602

DOSE: 100 PPM

DISP: Natural Death

HISTO: 9701943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-11]			
* Heart		Cardiomyopathy	Mild
* Int Lg Colon			
Note: Mesothelioma in colon corresponds to TGL 9-12. Mesothelioma cannot be coded under colon in lexicon.			
* Intestine Small, Ileum		Mesothelioma Malignant	
* Intestine Small, Jejunum		Mesothelioma Malignant	
* Kidney		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-3]			
* Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Foreign Body	
		Leukemia Mononuclear	
Note: Necrotic debris present in many airways.			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 7-13]			
* Pancreas		Mesothelioma Malignant	
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183	TRT#: 7	SEX: Male	DAY ON TEST: 602
	DOSE: 100 PPM	DISP: Natural Death	HISTO: 9701943

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Moderate
		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
		Mesothelioma Malignant	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	
	[Adenoma TGLS = 2-10]		
	[Mesothelioma Malignant TGLS = 5-10]		
* Thymus		Atrophy	Marked
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH - Epididymis Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 633

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Epididymis		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-6+7]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Inflammation	Moderate
		Leukemia Mononuclear	
		[Inflammation TGLS = 4-12]	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		[Adenoma TGLS = 6-9]	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184	TRT#: 7	SEX: Male	DAY ON TEST: 633
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 9701944

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Infarct	Mild
		Leukemia Mononuclear	
	[Infarct TGLS = 5-12]		
	[Leukemia Mononuclear TGLS = 2-12]		
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 3-10]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 677

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Cystic, Minimal Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear Nephropathy Pigmentation	Minimal Minimal
* Liver	Centrilobular	Degeneration Degeneration Hepatocellular Adenoma	Moderate Cystic, Minimal
	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
		[Hepatocellular Adenoma TGLS = 4-12] [Leukemia Mononuclear TGLS = 5-6+7]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-4]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185	TRT#: 7	SEX: Male	DAY ON TEST: 677
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 9701945

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Forestomach		Edema	Mild
* Testes	Interstit Cell	Adenoma	Multiple
		Atrophy	Marked
[Adenoma TGLS = 2-10]			
[Atrophy TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-15]	
		[Leukemia Mononuclear TGLS = 10-13]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-8]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-14]	
* Mammary Gland		Adenoma	
		Hyperplasia	Marked
		[Adenoma TGLS = 1-13]	
* Nose		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 9701946

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Minimal
		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Skin		Hyperkeratosis	Mild
		Inflammation	Mild
	[Hyperkeratosis TGLS = 7-12]		
	[Inflammation TGLS = 7-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]		
* Testes	Interstit Cell	Adenoma	Multiple
		Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 2-10]		
	[Atrophy TGLS = 3-10]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 529

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Trachea

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear Myelofibrosis	Mild
* Heart		Leukemia Mononuclear	
* Liver	Centrilobular	Degeneration Degeneration Hepatodiaphragmatic Nodule	Mild Cystic, Minimal
	Bile Duct	Hyperplasia Leukemia Mononuclear	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-6]		
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Duct	Atrophy Cyst	Minimal Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Inflammation	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Stomach, Glandular		Erosion	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187	TRT#: 7	SEX: Male	DAY ON TEST: 529
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 9701947

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-10]

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Preputial Gland		Inflammation	Minimal
* Salivary Glands		Cytoplasmic Alteration	Minimal
* Skin		Keratoacanthoma	
		[Keratoacanthoma TGLS = 2-12]	
* Testes	Interstit Cell	Adenoma	Multiple
		[Adenoma TGLS = 1-10]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
		[Leukemia Mononuclear TGLS = 3,4,7,8-6+12+7]	
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-12]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-6]	
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Minimal
* Salivary Glands		Cytoplasmic Alteration	Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-12]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189	TRT#: 7 DOSE: 100 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701949
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-10]	Interstit Cell	Adenoma	Multiple
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
* Nose		Inflammation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	Multiple
	[Adenoma TGLS = 1-10]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 2-13]			
* Pancreas		Atrophy	Minimal
		Cytoplasmic Alteration	Minimal
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Pseudocyst	Mild
* Preputial Gland		Adenoma	
		Inflammation	Minimal
[Adenoma TGLS = 1-12+13]			
* Prostate		Inflammation	Mild
* Testes	Interstitial Cell	Adenoma	Multiple
[Adenoma TGLS = 3-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701951

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 691

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192	TRT#: 7	SEX: Male	DAY ON TEST: 691
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 9701952

ORGAN AND ACCOUNTABLE SITE STATUS

[Accessory Spleen TGLS = 3-3]			
[Leukemia Mononuclear TGLS = 1-3]			
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
* Preputial Gland		Adenoma	
		Inflammation	Minimal
	[Adenoma TGLS = 1-12]		
* Testes	Interstitial Cell	Adenoma	Multiple
	[Adenoma TGLS = 2-10]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Foreign Body	
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLS = 5-9]		
* Preputial Gland		Inflammation	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 4-12]		
	[Leukemia Mononuclear TGLS = 1-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 9701955

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 3-10]	Interstit Cell	Adenoma	Multiple
* Thymus		Atrophy	Moderate
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Basophilic Focus	
		Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
* Lymph Node, Mesenteric		Ectasia	Marked
[Ectasia TGLS = 2-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Preputial Gland		Inflammation	Mild
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Testes	Interstit Cell	Adenoma	Multiple
	[Adenoma TGLS = 1-10]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 730
DOSE: 100 PPM **DISP:** Terminal Sacrifice **HISTO:** 9701958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* 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	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-11]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery		Mesothelioma Malignant	
	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Pancreas		Hyperplasia	Moderate
		Mesothelioma Malignant	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
		Mesothelioma Malignant	
[Leukemia Mononuclear TGLS = 4-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 9701958

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-13]			
* Nose		Foreign Body	
		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Skin		Basal Cell Adenoma	
		Keratoacanthoma	
[Basal Cell Adenoma TGLS = 2-13]			
[Keratoacanthoma TGLS = 1-12]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9701959

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 569

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9701960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Mesothelioma Malignant	
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-11]			
* Heart		Cardiomyopathy	Minimal
* Int Lg Colon			
Note: Mesothelioma attached to colon; this diagnosis cannot be coded in lexicon.			
* Intestine Large, Rectum		Parasite Metazoan	
* Intestine Small, Ileum		Mesothelioma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
Lymph Node	Mediastinal	Pigmentation	Moderate
* Lymph Node, Mesenteric		Mesothelioma Malignant	
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4,7-12+14]			
* Pancreas		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 8-6]			
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-9]			
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200	TRT#: 7	SEX: Male	DAY ON TEST: 569
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 9701960

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Seminal Vesicle		Mesothelioma Malignant	
Skeletal Muscle		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-13]			
* Spleen		Mesothelioma Malignant	
* Stomach, Forestomach		Mesothelioma Malignant	
* Stomach, Glandular		Mesothelioma Malignant	
* Testes	Interstit Cell	Adenoma	Multiple
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Marked
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH - Epididymis Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone		Osteopetrosis	Marked
* Clitoral Gland	Duct	Cyst	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 1-9]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Lung		Pigmentation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
	[Basophilic Focus TGLS = 2-6+7]		
	[Eosinophilic Focus TGLS = 2-7]		
* Lung		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9701964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 3-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 501
HISTO: 9701965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Marked
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Fatty Change TGLS = 1-6+7]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Ulcer	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Hyperplasia	Minimal
		[Cyst TGLS = 4-10]	
		[Hyperplasia TGLS = 4-10]	
* Heart		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
		[Basophilic Focus TGLS = 2-6+7]	
* Lung		Inflammation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-11]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 3-9]	
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701966

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 3-9]			
[Angiectasis TGLS = 3-9]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 723
HISTO: 9701968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 4-6+7]			
* Lung		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-11,13,12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 5-9]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9701970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-9]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9701971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
* Heart	* 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
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration Leukemia Mononuclear Vacuolization Cytoplasmic	Cystic, Minimal Marked
* Bone Marrow		Myelofibrosis	Moderate
* Brain		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-8]			
* Clitoral Gland		Inflammation	Minimal
Eye		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-11]			
* Kidney		Nephropathy Pigmentation	Minimal Minimal
* Liver		Basophilic Focus Hepatodiaphragmatic Nodule Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-12]			
* Ovary		Cyst	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 9701971
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ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 5-10]			
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Mild
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 2-9]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 665
HISTO: 9701973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
		[Basophilic Focus TGLS = 2-6+7]	
		[Vacuolization Cytoplasmic TGLS = 2-6+7]	
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Nose		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 3-9]	
* Skin	Subcut Tiss	Fibrosarcoma	
		[Fibrosarcoma TGLS = 1-11]	
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 656
HISTO: 9701974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Forestomach
* Trachea	* Uterus		

OBSERVATIONS

* Intestine Small, Duodenum [Ulcer TGLS = 4-6]		Ulcer	Mild
* Liver [Basophilic Focus TGLS = 3-6+7]		Basophilic Focus Inflammation	Minimal
* Lung Lymph Node	Mediastinal	Pigmentation Pigmentation	Minimal Mild
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Minimal
* Spleen		Pigmentation	Mild
* Stomach, Glandular [Erosion TGLS = 5-7]		Erosion	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder [Calculus Micro Observation Only TGLS = 1-12] [Hyperplasia TGLS = 2-11]	Transit Epithe	Calculus Micro Observation Only Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Urinary Bladder Calculus Micro Observation Only

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 215

TRT#: 2

SEX: Female

DAY ON TEST: 543

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Brain		Hemorrhage	Minimal
* Clitoral Gland		Inflammation	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-14]		
	[Leukemia Mononuclear TGLS = 5-12]		
	[Leukemia Mononuclear TGLS = 4-11]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
* Mammary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 543 HISTO: 9701975
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Cyst TGLS = 8-9]	Cyst	Minimal
* Spleen [Leukemia Mononuclear TGLS = 1-3]	Leukemia Mononuclear	
* Stomach, Glandular [Ulcer TGLS = 9-15]	Ulcer	Minimal
* Thymus	Atrophy	Moderate
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: MCL cells in all organs via blood vessels.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9701976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Mild
		Vacuolization Cytoplasmic	Minimal
	[Basophilic Focus TGLS = 3-6+7]		
	[Hepatodiaphragmatic Nodule TGLS = 4-6]		
* Lung		Pigmentation	Minimal
* Mammary Gland		Galactocele	Mild
	[Galactocele TGLS = 2-11]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 1-9]		
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Inflammation	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Lung		Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Mild

[Hydrometra TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9701980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 3-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 694

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* 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	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Sarcoma	Metastatic (Uterus)
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Hydronephrosis	Mild
		Nephropathy	Minimal
		Sarcoma	Metastatic (Uterus)
[Hydronephrosis TGLS = 8-3]			
* Liver	Bile Duct	Hyperplasia	Mild
		Necrosis	Marked
[Necrosis TGLS = 10-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
	Mediastinum	Sarcoma	Metastatic (Uterus)
		Sarcoma	Metastatic (Uterus)
[Sarcoma TGLS = 9-11]			
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Sarcoma	Metastatic (Uterus)
[Sarcoma TGLS = 7-12]			
* Ovary		Sarcoma	Metastatic (Uterus)
* Pancreas		Sarcoma	Metastatic (Uterus)
[Sarcoma TGLS = 6-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 694

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9701981

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-9]		
* Spleen	Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 5-3]		
* Stomach, Forestomach	Inflammation	Minimal
* Stomach, Glandular	Erosion	Minimal
* Thymus	Atrophy	Marked
* Urinary Bladder	Sarcoma	Metastatic (Uterus)
* Uterus	Hydrometra	Marked
	Sarcoma	
[Hydrometra TGLS = 4-10]		
[Sarcoma TGLS = 3-11]		

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222	TRT#: 2	SEX: Female	DAY ON TEST: 429
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 9701982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Clitoral Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Bone Marrow		Hyperplasia	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
* Mammary Gland		Myoepithelioma	
[Myoepithelioma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Myoepithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9701983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Cyst	Moderate
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:52

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Ovary	* Parathyroid Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis	Inflammation	Mild
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Nose		Foreign Body	
		Inflammation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Adenocarcinoma	
		Cytoplasmic Alteration	Minimal
[Adenocarcinoma TGLS = 2-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 625

DOSE: 0 PPM

DISP: Natural Death

HISTO: 9701985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-6]		
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
	[Angiectasis TGLS = 1-9]		
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	Multiple
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:52
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 645
HISTO: 9701987

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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Necrosis	Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Nose		Foreign Body	
		Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 645
HISTO: 9701987

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Sarcoma Stromal	Metastatic (Uterus)
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 2-12]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Pigmentation	Minimal
* Pituitary Gland		Angiectasis	Moderate
		Cyst	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* 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	* Spleen
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland	Duct	Cyst	Moderate
		Hyperplasia	Mild
		Inflammation	Mild
	[Cyst TGLS = 2-10]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
	[Basophilic Focus TGLS = 3-6+7]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
	[Fibroadenoma TGLS = 1-11]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	[Adenoma TGLS = 4-9]		
* Stomach, Forestomach		Hyperplasia	Mild
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9701989

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 5-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Nose	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Mild
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-11, 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Pituitary Gland		Angiectasis	Mild
		Cyst	Minimal
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-9]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Trachea		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 575
HISTO: 9701994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone		Osteopetrosis	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 235

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9701995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
Eye		Cataract	Moderate
	Retina	Degeneration	Moderate
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 4-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-12+13]			
* Ovary		Atrophy	Moderate
		Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 235	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9701995
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	Multiple
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9701996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 237

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9701997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 2-9]			
[Hyperplasia TGLS = 2-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 238	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 9701998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hemorrhage	Mild
		Inflammation	Mild
		Necrosis	Mild
[Basophilic Focus TGLS = 2-6+7]			
[Hemorrhage TGLS = 4-6]			
[Inflammation TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Pigmentation	Minimal
* Mammary Gland		Dilatation	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 238

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9701998

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 239

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9701999

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 3-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9702000

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 241

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9702001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Urinary Bladder	Transit Epithe	Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 414

DOSE: 0 PPM

DISP: Natural Death

HISTO: 9702002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* 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	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Astrocytoma Malignant	
	[Astrocytoma Malignant TGLS = 3-8]		
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Note: TGL-2, liver tear, shows no evidence of inflammatory response, as should occur if the tear had occurred prior to death. Change is interpreted to be iatrogenic.		
* Lung			
	Note: TGL-4, lung hemorrhage, shows no evidence of inflammatory response, suggesting the "hemorrhage" was due to manipulation after the animal died.		
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Brain Astrocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9702003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
		Inflammation	Minimal
[Adenoma TGLS = 2-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis	Inflammation	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
[Basophilic Focus TGLS = 3-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9702003

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9702004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 1-6+7]	Inflammation	Minimal
* Lung		Pigmentation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLS = 3-9]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

Note: massive infarction of prior-existing polyp created large area of liquifaction necrosis
 [Polyp Stromal TGLS = 2-10]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 660

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 9702005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Hypertrophy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 701
HISTO: 9702006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Esophagus	* 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	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Minimal
* Kidney		Leukemia Mononuclear	
		Pigmentation	Mild
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 2-9]		
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Stomach, Glandular		Inflammation	Moderate
		Ulcer	Moderate
	[Ulcer TGLS = 4-11]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 701
HISTO: 9702006

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 3-10]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9702007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9702008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
		[Fibroadenoma TGLS = 1-11]	
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
		[Hyperplasia TGLS = 3-9]	
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Cervix	Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9702008

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 613

DOSE: 0 PPM

DISP: Natural Death

HISTO: 9702009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[Mixed Cell Focus TGLS = 4-13]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 1-11]			
[Fibroadenoma TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 3-13]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 250

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 9702010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 3,4-7+6]			
* Lung		Leukemia Mononuclear	
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-12]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-9]			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 3-6+7]		Mixed Cell Focus	
* Lung		Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung		Inflammation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-11]			
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone		Osteopetrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Inflammation	Mild
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-11]			
* Ovary		Atrophy	Mild
* Pituitary Gland		Angiectasis	Mild
		Cyst	Mild
	Pars Distalis	Hyperplasia	Minimal
[Angiectasis TGLS = 3-9]			
[Hyperplasia TGLS = 3-9]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6+7]	
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Ectasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 30 PPM	DISP: Terminal Sacrifice	HISTO: 9702015

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-9]		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Marked
		Hyperplasia	Mild
	[Cyst TGLS = 1-10]		
	[Hyperplasia TGLS = 1-10]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
	[Basophilic Focus TGLS = 2-6+7]		
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLS = 3-9]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702016

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
[Cataract TGLS = 1-11]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis	Inflammation	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
* Pancreas		Atrophy	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
* Lung		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* 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	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 5-12]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
[Adenoma TGLS = 1-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702020

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261	TRT#: 4	SEX: Female	DAY ON TEST: 659
	DOSE: 30 PPM	DISP: Moribund Sacrifice	HISTO: 9702021

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-11]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+7]			
[Eosinophilic Focus TGLS = 4-6]			
* Lung		Pigmentation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Cyst	Mild
		Infiltration Cellular	Histiocyte, Marked
[Cyst TGLS = 1-10]			
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland		Angiectasis	Minimal
[Angiectasis TGLS = 1-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6+7]			
[Mixed Cell Focus TGLS = 2,3-7+12,6+11]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 680

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9702026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
	[Basophilic Focus TGLS = 2-6+7]		
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
	[Inflammation TGLS = 5-4]		
* Lymph Node, Mandibular		Ectasia	Minimal
		Hyperplasia	Plasma Cell, Moderate
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland		Angiectasis	Mild
	[Angiectasis TGLS = 4-9]		
* Spleen		Pigmentation	Minimal
* Stomach, Glandular		Erosion	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 3-11]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 680

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9702026

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Tongue Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Eye		Cataract	Mild
[Cataract TGLS = 1-11]	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6+7]		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tissue NOS		Leiomyoma	
[Leiomyoma TGLS = 6-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702027

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Inflammation

Mild

[Inflammation TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

Animal Note: Tissue NOS appears to be pedunculated leiomyoma from the uterus, which broke free causing inflam in uterus.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9702028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hepatodiaphragmatic Nodule	
		Hypertrophy	Mild
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 4-7]			
[Vacuolization Cytoplasmic TGLS = 5-11]			
* Lung		Pigmentation	Minimal
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-11]			
* Mammary Gland		Fibroadenoma	
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Lymphoma Malignant	
Skeletal Muscle		Lymphoma Malignant	
Note: subcutis and skeletal muscle of head from nasal section is affected			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Minimal
* Stomach, Glandular		Ulcer	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 268

TRT#: 4
DOSE: 30 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 666
HISTO: 9702028

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus
[Polyp Stromal TGLS = 2-10]
Vagina
[Inflammation TGLS = 3-11]

Polyp Stromal
Inflammation
Mild

PRIMARY CAUSE OF DEATH - Lymph Node, Mandibular Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Schwannoma Malignant	Metastatic (Heart)
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
		Cyst	Minimal
	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 2-9]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Pigmentation	Minimal
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Ectasia	Minimal
* Pituitary Gland		Angiectasis	Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 690

DOSE: 30 PPM

DISP: Natural Death

HISTO: 9702032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Leukemia Mononuclear	
[Cyst TGLS = 1-10]		Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Carcinoma	
[Carcinoma TGLS = 3-11]		Leukemia Mononuclear	
* Liver	Centrilobular	Basophilic Focus	
	Bile Duct	Degeneration	Moderate
		Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
		Thrombosis	Marked
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272	TRT#: 4 DOSE: 30 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: 690 HISTO: 9702032
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Hyperplasia TGLS = 5-9]	Pars Distalis	Hyperplasia	Moderate
* Spleen [Leukemia Mononuclear TGLS = 2-3]		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney Renal Tubule Carcinoma;Lung Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 451

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9702033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* 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
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

OBSERVATIONS

Blood Vessel		Inflammation	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-7]			
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Moderate
Mesentery	Artery	Inflammation	Moderate
		Inflammation	Moderate
[Inflammation TGLS = 3-6]			
* Pancreas	Artery	Inflammation	Moderate
		Thrombosis	Marked
[Thrombosis TGLS = 2-11]			
* Spleen	Capsule	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Moderate
[Fibrosis TGLS = 4-3]			
* Thymus		Atrophy	Marked
* Urinary Bladder	Serosa	Fibrosis	Mild

PRIMARY CAUSE OF DEATH - Mesentery Artery Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 633

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9702034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* 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
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Minimal
Note: only 1 clitoral on slide			
* Heart		Inflammation	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-9]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* 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

OBSERVATIONS

* Clitoral Gland		Inflammation	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
* Ovary		Cyst	Marked
[Cyst TGLS = 1-10]			
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Marked
	Pars Distalis	Hyperplasia	Marked
[Angiectasis TGLS = 4-9]			
[Hyperplasia TGLS = 4-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702035

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 403

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9702036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
Note: marked neutrophilia noted			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-3]			
* Thymus		Atrophy	Mild
Vagina		Hyperplasia	Marked
		Inflammation	Moderate
[Hyperplasia TGLS = 1-11]			

PRIMARY CAUSE OF DEATH - Vagina Hyperplasia
CONTRIBUTORY CAUSE OF DEATH - Vagina Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 429

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9702037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Intestine Large, Cecum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Glomerulosclerosis	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Lung		Pigmentation	Minimal
* Skin	Subcut Tiss	Fibroma	
	Pinna	Melanoma Malignant	
	[Fibroma TGLS = 1-11]		
	[Melanoma Malignant TGLS = 2-12]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Bronchiole	Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Angiectasis	Minimal
[Angiectasis TGLS = 5-9]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 30 PPM	DISP: Terminal Sacrifice	HISTO: 9702038

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-3]

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-11]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 30 PPM	DISP: Terminal Sacrifice	HISTO: 9702041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Pigmentation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 2-9]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Skin	Subcut Tiss	Inflammation	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Clitoral Gland		Inflammation	Mild
* Heart		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 4,5-13+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
[Adenoma TGLS = 6-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702043

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-9]

* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Clitoral Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2,3-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-12]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 2-9]			
* Spleen		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Mild
[Cyst TGLS = 2-10]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 1-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Cyst	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 287

TRT#: 4
DOSE: 30 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9702047

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702048

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 4-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Moderate
[Angiectasis TGLS = 2-9]			
[Hyperplasia TGLS = 2-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 540

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9702050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Minimal
* Heart		Inflammation	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Lung		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Salivary Glands		Cytoplasmic Alteration	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 291	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 30 PPM	DISP: Terminal Sacrifice	HISTO: 9702051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Pigmentation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-11]			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Minimal
[Angiectasis TGLS = 1-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland		Angiectasis	Minimal
	C Cell	Hyperplasia	Minimal
[Angiectasis TGLS = 2-9]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Astrocytoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
		Mixed Cell Focus	
		[Basophilic Focus TGLS = 2-6+7]	
		[Hepatodiaphragmatic Nodule TGLS = 3-7]	
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
		[Angiectasis TGLS = 1-9]	
		[Hyperplasia TGLS = 1-9]	
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 4-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 652

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9702054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
* Intestine Large, Cecum		Inflammation	Moderate
* Kidney		Nephropathy	Mild
		Vacuolization Cytoplasmic	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate
Mesentery		Inflammation	Mild
* Nose		Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Glandular		Inflammation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 652

DOSE: 30 PPM

DISP: Moribund Sacrifice

HISTO: 9702054

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mesentery Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: 30 PPM

DISP: Natural Death

HISTO: 9702055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
[Adenoma TGLS = 6-9]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Osteopetrosis	Moderate
* Bone Marrow		Atrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-11]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]			
[Leukemia Mononuclear TGLS = 5-11]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 295	TRT#: 4	SEX: Female	DAY ON TEST: 666
	DOSE: 30 PPM	DISP: Natural Death	HISTO: 9702055

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Cyst	Marked
[Cyst TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 8-9]			
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Pancreas		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 4-3]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 3-7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Pancreas		Atrophy	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 616

DOSE: 30 PPM

DISP: Natural Death

HISTO: 9702058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 9702059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 3-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6+7]		Inflammation	Minimal
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 2-12]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 30 PPM	DISP: Terminal Sacrifice	HISTO: 9702060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Mild
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
		[Basophilic Focus TGLS = 1-6+7]	
		[Hepatodiaphragmatic Nodule TGLS = 2-6]	
		[Mixed Cell Focus TGLS = 2-6]	
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 3-9]	
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 526

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Pancreas	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Lung		Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Hyperplasia	Moderate
		Ulcer	Minimal
[Hyperplasia TGLS = 2-6+7]			
* Stomach, Glandular		Ulcer	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 536

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Angiectasis	Mild
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Inflammation	Minimal
* Lung	Inflammation	Minimal
	Pigmentation	Minimal
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-11]		
* Ovary	Infiltration Cellular	Histiocyte, Mild
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 468

DOSE: 100 PPM

DISP: Natural Death

HISTO: 9702063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Liver		Basophilic Focus	
		Inflammation	Minimal
* Lung		Inflammation	Minimal
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose		Inflammation	Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-9]			
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702064

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Islets, Pancreatic	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
[Galactocele TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702065

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 662

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702066

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, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
* Heart	Valve	Inflammation	Moderate
		Thrombosis	Minimal
* Kidney		Inflammation	Mild
		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Inflammation	Minimal
		Leukemia Mononuclear	
		Thrombosis	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Cyst	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
	[Adenoma TGLS = 3-9]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 662

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702066

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Schwannoma Malignant	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
	[Basophilic Focus TGLS = 3-6+7]		
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2-11+12]		
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702067

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
[Fibroadenoma TGLS = 1-11]		Hyperplasia	Minimal
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Minimal
[Angiectasis TGLS = 3-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702069

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Bone		Osteopetrosis	Moderate
* Clitoral GI			
Note: only 1 clitoral on slide			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
[Basophilic Focus TGLS = 3-6+7+11]			
[Hepatodiaphragmatic Nodule TGLS = 2-11]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310

TRT#: 6
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9702070

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
		[Basophilic Focus TGLS = 6-6+7]	
		[Hepatodiaphragmatic Nodule TGLS = 5-6]	
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-11]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 4-12]	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		[Adenoma TGLS = 2-9]	
		[Angiectasis TGLS = 2-9]	
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702071

ORGAN AND ACCOUNTABLE SITE STATUS

[Hydrometra TGLS = 3-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 100 PPM

DISP: Natural Death

HISTO: 9702072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Clitoral Gland
* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone		Osteopetrosis	Marked
* Brain		Hemorrhage	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Basophilic Focus	
		Degeneration	Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Pigmentation	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone Marrow	* Brain
* Esophagus	* 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	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Angiectasis	Marked
Note: Large cyst compresses medullary cells.			
[Angiectasis TGLS = 2-9]			
* Bone		Osteopetrosis	Moderate
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 676

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Infarct	Mild
[Infarct TGLS = 4-11]			
* Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6+7]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: TGL 5-12 is axillary lymph node (axillary not in lexicon as a site choice).			
[Leukemia Mononuclear TGLS = 2-4]			
[Leukemia Mononuclear TGLS = 5-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-11]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314	TRT#: 6	SEX: Female	DAY ON TEST: 676
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 9702074

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-10]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* 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	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone		Osteopetrosis	Mild
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Mild
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
	[Fibroadenoma TGLS = 2-12]		
* Nose		Foreign Body	
		Inflammation	Mild
* Pituitary Gland		Angiectasis	Mild
* Salivary Glands		Atrophy	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Cervix	Cyst	Squamous, Moderate
	[Cyst TGLS = 1-11]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702075

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 3-11]			
* Ovary		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 1-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702076

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hemorrhage	Marked
		Hydrometra	Marked

[Hydrometra TGLS = 1-10]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702077

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 701

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
	[Basophilic Focus TGLS = 3-6+7]		
	[Hepatodiaphragmatic Nodule TGLS = 2-6]		
* Lung		Pigmentation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-9]		
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 703

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
* Kidney		Pigmentation	Minimal
* Liver	Centrilobular	Basophilic Focus	
		Degeneration	Moderate
		Necrosis	Mild
		Vacuolization Cytoplasmic	Minimal
[Degeneration TGLS = 4-6+7]			
[Necrosis TGLS = 3-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Atrophy	Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Ulcer	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Angiectasis	Minimal
		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 2-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Uterus	Cervix	Inflammation	Moderate
[Inflammation TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 322 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 730
DOSE: 100 PPM **DISP:** Terminal Sacrifice **HISTO:** 9702082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
	[Basophilic Focus TGLS = 1-6+7]		
	[Hepatodiaphragmatic Nodule TGLS = 2,3-11+6]		
* Lung	Alveolar Epith	Hyperplasia	Marked
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702082

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
[Basophilic Focus TGLS = 1-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Nose		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone		Osteopetrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 3-9]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 575

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
		[Hepatodiaphragmatic Nodule TGLS = 4-7]	
		[Leukemia Mononuclear TGLS = 3-6+7]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
		Hyperplasia	Minimal
		[Galactocele TGLS = 1-11]	
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-3]	
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 575

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702085

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 3-6+7]			
[Eosinophilic Focus TGLS = 2-7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-11]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 100 PPM

DISP: Natural Death

HISTO: 9702087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Moderate
		Inflammation	Moderate
* Heart		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Liver	Centrilobular	Degeneration	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Minimal
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		[Hyperplasia TGLS = 4-9]	
* Salivary Glands		Cytoplasmic Alteration	Minimal
Skeletal Muscle		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-11]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Hyperplasia	Moderate
		Inflammation	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-11]			
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Intermed	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328	TRT#: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 9702088

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	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, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla [Angiectasis TGLS = 4-9]		Angiectasis	Marked
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Leukemia Mononuclear	
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Angiectasis	Moderate
* Spleen		Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702089

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-3]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland	Duct	Cyst	Minimal
[Cyst TGLS = 3-10]			
* Kidney		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Mild
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Minimal
[Angiectasis TGLS = 1-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 714

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-12]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Moderate
[Hepatodiaphragmatic Nodule TGLS = 5-6]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
[Fibroadenoma TGLS = 3-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 2-3]			
* Thymus		Atrophy	Marked
* Uterus	Cervix	Hydrometra	Moderate
[Hydrometra TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702092

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702093

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
* Mammary Gland	* Nose	* Parathyroid Gland	* Skin
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Hyperplasia	Marked
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 1-10]		
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Pigmentation	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6+7]		
* Lung		Inflammation	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4+5]		
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4]		
* Lymph Node, Mandibular		Ectasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 333	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 9702093

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-3]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
		Polyp Stromal	
	[Leukemia Mononuclear TGLS = 3-10]		
	[Polyp Stromal TGLS = 3-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 625

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* 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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	Minimal
* Liver	Centrilobular	Nephropathy	Mild
	Bile Duct	Degeneration	Minimal
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Atrophy	Moderate
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Thymus		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Marked
		Inflammation	Mild
[Cyst TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Cyst	Mild
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 2-9]			
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 100 PPM	DISP: Natural Death	HISTO: 9702097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Hemorrhage	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Spleen		Infarct	Marked
		Leukemia Mononuclear	
	[Infarct TGLS = 2-11]		
	[Leukemia Mononuclear TGLS = 1-11]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702098

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Cervix	Hyperplasia	Squamous, Mild
[Hyperplasia TGLS = 1-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Pigmentation	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Hyperplasia	Minimal
[Carcinoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Spleen		Pigmentation	Minimal
* Stomach, Glandular		Ulcer	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 708

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 9702101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[Mixed Cell Focus TGLS = 2,4-12+11]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Galactocele TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Spleen		Accessory Spleen	
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341	TRT#: 6 DOSE: 100 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 708 HISTO: 9702101
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Edema	Moderate
		Inflammation	Mild
		Ulcer	Mild
[Ulcer TGLS = 5-6]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* 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	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Inflammation	Minimal
* Bone		Osteopetrosis	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 1-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702103

ORGAN AND ACCOUNTABLE SITE STATUS

[Hydrometra TGLS = 3-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
	[Basophilic Focus TGLS = 4-6+7]		
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
Peripheral Nerve	Trigeminal	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 1-11]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Schwannoma Malignant	Metastatic (Peripheral Nerve)
	[Adenoma TGLS = 2-9]		
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344	TRT#: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 9702104

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
		[Fibroadenoma TGLS = 1-11]	
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
		[Adenoma TGLS = 2-9]	
		[Angiectasis TGLS = 2-9]	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702105

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Uterus		

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 1-10]			
* Heart		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Cyst	Minimal
* Pancreas		Cytoplasmic Alteration	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Marked
		Inflammation	Moderate
[Hyperplasia TGLS = 4-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
	Pars Nervosa	Hyperplasia	Minimal
[Angiectasis TGLS = 1-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Marked
[Hydrometra TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702108

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Mild
[Basophilic Focus TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Marked
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 3-9]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 349	TRT#: 6 DOSE: 100 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9702109
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Pigmentation	Minimal
* Thyroid Gland		Atrophy	Moderate
* Uterus	C Cell	Hyperplasia	Minimal
	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 9702110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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
* Ovary	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
Eye		Cataract	Moderate
	Retina	Degeneration	Mild
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
[Inflammation TGLS = 3-4]			
* Pancreas		Cytoplasmic Alteration	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702112

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland	Duct	Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 3-7]		
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Cervix	Inflammation	Marked
		Polyp Stromal	
		Sarcoma Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702113

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-11]

[Polyp Stromal TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:53

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 465

DOSE: 300 PPM

DISP: Natural Death

HISTO: 9702114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * 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 | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|-----------|----------------------------|----------|
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Minimal |
| [Hepatodiaphragmatic Nodule TGLS = 1-6] | | | |
| * Pituitary Gland | | Angiectasis | Minimal |
| * Spleen | | Pigmentation | Mild |
| * Thymus | | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 531

DOSE: 300 PPM

DISP: Natural Death

HISTO: 9702115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
* Liver	Centrilobular	Leukemia Mononuclear Degeneration	Mild
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 1-3]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:53
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 631

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 9702116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
		Pigmentation	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
		[Hepatodiaphragmatic Nodule TGLS = 3-11]	
		[Leukemia Mononuclear TGLS = 2-6+7]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Bone		Osteopetrosis	Marked
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Adenomyosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702117

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 414

DOSE: 300 PPM

DISP: Natural Death

HISTO: 9702118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Urinary Bladder		Calculus Gross Observation	
	Transit Epithe	Hyperplasia	Marked
	[Calculus Gross Observation TGLS = 1-11]		
	[Hyperplasia TGLS = 1-11]		

PRIMARY CAUSE OF DEATH

- Urinary Bladder Calculus Gross Observation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702119

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Leukemia Mononuclear	
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Artery	Inflammation	Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 2-9]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* 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	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Metaplasia	Hepatocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Inflammation	Moderate
		Ulcer	Mild
			[Inflammation TGLS = 2-12]
			[Ulcer TGLS = 2-12]
* Spleen		Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 3-3]
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702120

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361

TRT#: 8
DOSE: 300 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9702121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
	[Fibroadenoma TGLS = 1-11]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Stomach, Glandular		Erosion	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702121

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 2-3]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 347

DOSE: 300 PPM

DISP: Natural Death

HISTO: 9702123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Oligodendroglioma Malignant	
* Clitoral Gland		Inflammation	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Centrilobular	Hypertrophy	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Brain Oligodendroglioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland * Skin

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
Blood Vessel	Aorta	Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-9]		
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pituitary Gland		Angiectasis	Marked
		[Angiectasis TGLS = 1-9]	
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Uterus		Polyp Stromal	
		[Polyp Stromal TGLS = 2-10]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pituitary Gland		Cyst	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
* Trachea		Inflammation	Minimal
* Uterus		Atrophy	Marked
	Endometrium	Hyperplasia	Cystic, Minimal

[Atrophy TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 511

DOSE: 300 PPM

DISP: Natural Death

HISTO: 9702127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Clitoral Gland		Inflammation	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Centrilobular	Hypertrophy	Minimal
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
* Lung		Inflammation	Minimal
	[Inflammation TGLS = 4-4]		
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
	[Angiectasis TGLS = 3-9]		
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Moderate
* Thymus		Atrophy	Marked
Tongue		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 2-11]		

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Heart		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369 TRT#: 8 SEX: Female DAY ON TEST: 584
DOSE: 300 PPM DISP: Moribund Sacrifice HISTO: 9702129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Basophilic Focus	
		Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
	[Vacuolization Cytoplasmic TGLS = 1-6+7]		
* Lung		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3,4-6+7]			
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
* Skin		Ulcer	Minimal
[Ulcer TGLS = 1-11]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Minimal
[Carcinoma TGLS = 2-9]			
* Uterus		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 659

DOSE: 300 PPM

DISP: Natural Death

HISTO: 9702132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Necrosis	Mild
* Brain		Inflammation	Mild
Note: Infarction with inflammation, plus meningitis noted.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 1,2-6+7]			
* Lung	Serosa	Inflammation	Minimal
		Inflammation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
Tooth		Inflammation	Marked

PRIMARY CAUSE OF DEATH

- Brain Inflammation

Animal Note: Abscessed tooth may have served as source of septicemia with brain, adrenal infarction and encephalitis/meningitis.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Vacuolization Cytoplasmic	Minimal
[Hypertrophy TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-12]			
* Ovary		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 3-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 373	TRT#: 8 DOSE: 300 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9702133
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Mild
		Inflammation	Mild
* Lung		Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 1-6]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-11]			
* Pituitary Gland		Angiectasis	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702135

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 633

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 9702136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* 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	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
Note: Only 1 clitoral on slide; tumor is squamous papilloma of ductal epithelium.			
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
	[Nephropathy TGLS = 3-3]		
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Centrilobular	Hypertrophy	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
	[Fibroadenoma TGLS = 1-11]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 376

TRT#: 8
DOSE: 300 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 633
HISTO: 9702136

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 4-9]

* Spleen
* Thymus

Leukemia Mononuclear
Atrophy

Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Leukemia Mononuclear	
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Nose		Inflammation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 1-9]			
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Inflammation	Mild
		Necrosis	Mild
		Pigmentation	Mild
[Necrosis TGLS = 7-5]			
Lymph Node	Mediastinal	Congestion	Marked
	Mediastinal	Ectasia	Mild
	Mediastinal	Pigmentation	Minimal
[Congestion TGLS = 6-4]			
[Ectasia TGLS = 6-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Cyst	Mild
		Hyperplasia	Minimal
[Cyst TGLS = 2-11]			
* Ovary		Granulosa Cell Tumor Malignant	
[Granulosa Cell Tumor Malignant TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378	TRT#: 8	SEX: Female	DAY ON TEST: 731
	DOSE: 300 PPM	DISP: Terminal Sacrifice	HISTO: 9702138

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-9]			
* Spleen		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Trachea		Sarcoma	
[Sarcoma TGLS = 5-11]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 309

DOSE: 300 PPM

DISP: Natural Death

HISTO: 9702139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Moderate
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Stomach, Forestomach		Hyperplasia	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 380 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 730
DOSE: 300 PPM **DISP:** Terminal Sacrifice **HISTO:** 9702140

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Osteosarcoma	Metastatic (Spleen)
[Osteosarcoma TGLS = 2-6+7]			
* Lung		Inflammation	Minimal
		Osteosarcoma	Metastatic (Spleen)
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-11]			
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
		Osteosarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 380	TRT#: 8	SEX: Female	DAY ON TEST: 730
	DOSE: 300 PPM	DISP: Terminal Sacrifice	HISTO: 9702140

ORGAN AND ACCOUNTABLE SITE STATUS

[Osteosarcoma TGLS = 1-12]

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 637

DOSE: 300 PPM

DISP: Natural Death

HISTO: 9702141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Esophagus
* 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	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
		Pigmentation	Mild
* Liver	Centrilobular	Degeneration	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Lung		Hemorrhage	Minimal
		Inflammation	Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381	TRT#: 8	SEX: Female	DAY ON TEST: 637
	DOSE: 300 PPM	DISP: Natural Death	HISTO: 9702141

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
* Uterus	Polyp Stromal	
[Polyp Stromal TGLS = 2-10]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Minimal
* Nose		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Angiectasis	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702142

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
	Centrilobular	Hypertrophy	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Ovary		Cyst	Marked
[Cyst TGLS = 2-10]			
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Minimal
[Angiectasis TGLS = 1-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 614

DOSE: 300 PPM

DISP: Natural Death

HISTO: 9702145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Astrocytoma Malignant	
* Clitoral Gland	Duct	Cyst	Mild
[Cyst TGLS = 2-10]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Liver		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Pancreas	Artery	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 3-9]			
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

- Brain Astrocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: p,p'-Dichlorodiphenyl sulfone

CAS Number: 80-07-9

Date Report Requested: 10/21/2014

Time Report Requested: 08:30:54

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702146

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, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Minimal
Eye		Cataract	Moderate
	Retina	Degeneration	Moderate
		Hemorrhage	Mild
	[Hemorrhage TGLS = 1-11]		
* Heart		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
	[Basophilic Focus TGLS = 3-6+7]		
	[Hepatodiaphragmatic Nodule TGLS = 4-6]		
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386	TRT#: 8	SEX: Female	DAY ON TEST: 731
	DOSE: 300 PPM	DISP: Terminal Sacrifice	HISTO: 9702146

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Minimal
	[Angiectasis TGLS = 5-9]		
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Cervix	Cyst	Squamous, Mild
	Endometrium	Hyperplasia	Cystic, Mild
	[Cyst TGLS = 2-11]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
		[Fibroadenoma TGLS = 1-11]	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
		[Adenoma TGLS = 3-9]	
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		[Hyperplasia TGLS = 2-10]	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Esophagus	* 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	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Bone		Osteopetrosis	Moderate
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 1,2-7+6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702148

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
[Cataract TGLS = 1-11]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Carcinoma	
		Hyperplasia	Mild
	Cervix	Inflammation	Marked
[Carcinoma TGLS = 2-10]			
[Inflammation TGLS = 3-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702149

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
Eye		Atrophy	Moderate
	Cornea	Edema	Moderate
	[Atrophy TGLS = 2-11]		
	[Edema TGLS = 1-11]		
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-9]		
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390	TRT#: 8 DOSE: 300 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 9702150
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 639

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 9702152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Pigmentation	Mild
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 5-6]	
		[Leukemia Mononuclear TGLS = 6-6+7]	
* Lung		Inflammation	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Marked
		[Galactocele TGLS = 1-11]	
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Hyperplasia TGLS = 7-9]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-11]	
* Stomach, Glandular		Erosion	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 392	TRT#: 8 DOSE: 300 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 639 HISTO: 9702152
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 1-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Pigmentation	Minimal
* Ovary		Granulosa Cell Tumor Benign	
[Granulosa Cell Tumor Benign TGLS = 2-10]			
* Pancreas		Adenoma	
		Atrophy	Minimal
		Hyperplasia	Moderate
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 3-9]			
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702153

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Inflammation	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Basophilic Focus	
		Hypertrophy	Mild
		Inflammation	Minimal
* Lung		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Carcinoma	Multiple
		Fibroadenoma	
[Carcinoma TGLS = 3,4-12+13]			
[Fibroadenoma TGLS = 2-11]			
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Dilatation	Marked
[Dilatation TGLS = 5-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 701

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 9702155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Hydronephrosis	Mild
		Nephropathy	Minimal
[Hydronephrosis TGLS = 3-3]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Minimal
* Lung		Carcinoma	Metastatic (Clitoral Gland)
		Inflammation	Minimal
	Mediastinum	Thrombosis	Marked
		Thrombosis	Moderate
[Carcinoma TGLS = 4,5,6,7-5+5+12+13]			
Lymph Node	Lumbar	Carcinoma	Metastatic (Clitoral Gland)
[Carcinoma TGLS = 2-12]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

Animal Note: Inguinal mass interpreted to be basosquamous tumor of clitoral duct epithelium o r clitoris proper.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Pigmentation	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Osteopetrosis	Moderate
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
* Ovary			
Note: only 1 full ovary cut on slide 10			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Hypertrophy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-11]	
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 707

DOSE: 300 PPM

DISP: Natural Death

HISTO: 9702159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Pigmentation	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Hepatodiaphragmatic Nodule TGLS = 1-6]			
* Lung		Edema	Mild
		Inflammation	Mild
		Necrosis	Mild
Note: There are two large areas of alveolar edema, with fibrin and marked bacterial overgrowth.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Minimal
[Cyst TGLS = 2-9]			
* Spleen		Leukemia Mononuclear	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Lung Inflammation
CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88120-03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: p,p'-Dichlorodiphenyl sulfone
CAS Number: 80-07-9

Date Report Requested: 10/21/2014
Time Report Requested: 08:30:54
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 9702160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Minimal
[Cyst TGLS = 1-10]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Hypertrophy	Mild
		Inflammation	Minimal
* Lung		Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE