

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:57
First Dose M/F: NA / NA
Lab: BAT

C Number:	C88148C
Lock Date:	09/22/2005
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	06/10/2008

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Date Report Requested: 10/22/2014

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First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 639
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 0500001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Brain			
Note: Hydrocephalus was not diagnosed when secondary to pituitary tumors (as in this case), hemorrhage, etc.			
Coagulating Gland		Inflammation	Moderate
* Epididymis		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis	Inflammation	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 1-5]			
* Liver		Fatty Change	Diffuse, Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-3+4]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Prostate	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

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First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 639 HISTO: 0500001
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Inflammation	Moderate
* Stomach, Forestomach	Epithelium	Pigmentation	Mild
		Hyperplasia	Moderate
		Inflammation	Mild
* Testes	Germinal Epith	Degeneration	Moderate
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

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CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:57

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	Coagulating Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Marked
Blood Vessel		Inflammation	Mild
Note: Arterioles have fibrinoid degeneration and inflammation in the following organs: testes.			
* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
		Inflammation	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Moderate
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pancreas	Acinus	Adenoma	
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Rathkes Cleft	Hyperplasia	Minimal
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500002
ORGAN AND ACCOUNTABLE SITE STATUS			
* Skin			
Note: TGL-1 skin nodule was an aggregate of sinus hairs, and not abnormal.			
* Spleen		Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Mineralization	Mild
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

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Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:57

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
		Hypertrophy	Mild
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the kidneys, prostate, and testes.			
* Heart		Cardiomyopathy	Minimal
		Mineralization	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
[Inflammation TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-3]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

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CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500003
ORGAN AND ACCOUNTABLE SITE STATUS			
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	Ureter
Urethra	* Urinary Bladder		

MISSING			
* Parathyroid Gland			

OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Pancreas	Acinus	Hyperplasia	Marked
* Prostate	Epithelium	Hyperplasia	Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500004
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 650 HISTO: 0500005
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder
OBSERVATIONS			
* Bone Marrow		Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:57

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 496
	DOSE: 0 MG/KG	DISP: Dosing Accident	HISTO: 0500006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Marked
Blood Vessel		Mineralization	Mild
Note: Vascular mineralization involved cardiac vessels, mediastinal (thymus section), and the pancreatic artery.			
* Heart		Cardiomyopathy	Moderate
		Mineralization	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung		Hemorrhage	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Necrosis	Mild
[Hemorrhage TGLS = 2-3+4]			
Lymph Node	Mediastinal	Atrophy	Marked
* Parathyroid Gland		Adenoma	
		Hyperplasia	Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 496
	DOSE: 0 MG/KG	DISP: Dosing Accident	HISTO: 0500006
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Pigmentation	Minimal
		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 274 HISTO: 0500007
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
* Lung		Hemangiosarcoma	Metastatic (Skin)
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Hemangiosarcoma TGLS = 2-3]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Atrophy	Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Hemangiosarcoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 496
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 0500008
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Oral Mucosa	* Pancreas	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Mild
Blood Vessel		Inflammation	Mild
		Mineralization	Minimal
Note: Vascular inflammation involves the pancreas, prostate, and testes.			
* Heart		Cardiomyopathy	Mild
		Mineralization	Minimal
* Kidney	Cortex	Cyst	Moderate
		Mineralization	Mild
		Nephropathy	Marked
[Cyst TGLS = 2-5]			
[Nephropathy TGLS = 1-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Note: Mediastinal Lymph Node is Normal.			
* Nose		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 496 HISTO: 0500008
ORGAN AND ACCOUNTABLE SITE STATUS			
* Parathyroid Gland		Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Mild
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

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First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500009
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

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First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500010
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* 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	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
MISSING			
Lymph Node	* Thymus		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation affects epididymis.			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500010
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:57

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 567

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 5-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 2-5]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3 - 6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Hematopoietic Cell Proliferation	Moderate
	Mediastinal	Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 4-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Leukemia Mononuclear	
		Thrombosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:57
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 567 HISTO: 0500011
ORGAN AND ACCOUNTABLE SITE STATUS			
[Thrombosis TGLS = 1-14]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Thrombosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Oral Mucosa	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation affects heart, kidney, liver, pancreas, and testes.			
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Cyst	Moderate
		Nephropathy	Marked
[Cyst TGLS = 1-17]			
* Liver		Clear Cell Focus	
	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Nose		Foreign Body	
		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500012
ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes	Interstit Cell Germinal Epith	Pigmentation Adenoma Degeneration Atrophy	Minimal Mild Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	Tooth	* Trachea
Urethra	* Urinary Bladder		

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation affects epididymis.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Inflammation	Chronic Active, Mild
* Lung			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Hyperplasia	Squamous, Moderate
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500013
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thyroid Gland	Bilateral, C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14

TRT#: 1

DOSE: 0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0500014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

MISSING			
Lymph Node			

OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Epididymis		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate	Epithelium	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Testes	Germinal Epith	Degeneration	Moderate
[Degeneration TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500014
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicle	Cyst	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500015
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation affects the heart and testes.			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Pigmentation	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Nose		Foreign Body	
		Inflammation	Mild
* Pancreas	Acinus	Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500015
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16	TRT#: 1	SEX: Male	DAY ON TEST: 398
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 0500016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Brain	Astrocytoma Benign	
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic Active, Minimal
Lymph Node		
Note: Mediastinal Lymph Node is Normal.		
* Spleen	Pigmentation	Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH	- Brain Astrocytoma Benign
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 17

TRT#: 1

DOSE: 0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0500017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder			

MISSING

Lymph Node	Ureter
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OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic Pheochromocytoma Benign Inflammation	Minimal Mild Minimal Minimal
* Adrenal Medulla Blood Vessel Note: Vascular inflammation involves testes.			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia Nephropathy Clear Cell Focus	Minimal Marked
* Liver	Bile Duct	Hyperplasia Inflammation	Minimal Chronic Active, Minimal
* Lung Lymph Node Note: Mediastinal Lymph Node is Missing.	Smooth Muscle	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500017
ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes	Germinal Epith	Pigmentation	Minimal
* Thymus		Degeneration	Moderate
		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500018
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING
Lymph Node

OBSERVATIONS			
* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4,5 - 3+4+17+18]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pancreas	Acinus	Adenoma	Multiple
		Atrophy	Mild
[Adenoma TGLS = 1,2 - 6+17+18]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Mild
[Inflammation TGLS = 3-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500018
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 592 HISTO: 0500019
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Oral Mucosa	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
MISSING			
* Parathyroid Gland			
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the thymus and testes.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 1 - 5+14]			
* Liver		Angiectasis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19	TRT#: 1	SEX: Male	DAY ON TEST: 592
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 0500019
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 1

DOSE: 0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0500020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Fibrosis	Moderate
		Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500020
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Glandular		Pigmentation	Minimal
		Inflammation	Minimal
* Testes	Germinal Epith	Degeneration	Marked
	Germinal Epith	Mineralization	Minimal
[Degeneration TGLS = 1-11]			
* Thymus	Thymocyte	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500021
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves vessels in the forestomach, duodenum, pancreas, and testes.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver		Clear Cell Focus	
	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500022
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Bone	* Brain	Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the testes.			
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500022
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500023
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

Lymph Node	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Clear Cell Focus TGLS = 4-16]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pituitary Gland		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
	Pinna	Neural Crest Tumor	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500023
ORGAN AND ACCOUNTABLE SITE STATUS			
[Fibroma TGLS = 1-14]			
[Keratoacanthoma TGLS = 3-17]			
[Neural Crest Tumor TGLS = 2-15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 24	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 513 HISTO: 0500024
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Congestion	Moderate
[Congestion TGLS = 2 - 3+4]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Atrophy	Mild
* Pancreas	Acinus	Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Skin		Hyperplasia	Mild
		Inflammation	Moderate
[Inflammation TGLS = 1-14]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500025
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation is in prostate section.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Granulomatous, Minimal
		Pigmentation	Minimal
Note: There is a focus of granular cells (oncocytic hyperplasia or early granular cell tumor) smaller than the diameter of a pulmonary artery in B03.			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Pancreas	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500025
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 575 HISTO: 0500026
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
Blood Vessel		Vacuolization Cytoplasmic	Minimal
Note: Vascular inflammation involves the pancreas and testes.		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-5+14]			
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Parathyroid Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
[Inflammation TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26	TRT#: 1	SEX: Male	DAY ON TEST: 575
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 0500026
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING
Lymph Node

OBSERVATIONS			
* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Marked
[Alveolar/Bronchiolar Carcinoma TGLS = 2-4]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pancreas	Acinus	Hyperplasia	Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	Multiple
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500027
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500028
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	Ureter	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Degeneration	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	TRT#: 1	SEX: Male	DAY ON TEST: 627
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 0500029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	Coagulating Gland	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node	* Lymph Node, Mesenteric
* Mammary Gland	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Eye

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Liver		Cholangiofibrosis	Mild
	Bile Duct	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Atrophy	Mild
* Nose		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Ectasia	Mild
[Ectasia TGLS = 2-12]			
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 29	TRT#: 1	SEX: Male	DAY ON TEST: 627
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 0500029
ORGAN AND ACCOUNTABLE SITE STATUS			
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Adenoma	Multiple
	Acinus	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500030
ORGAN AND ACCOUNTABLE SITE STATUS			
[Adenoma TGLS = 1,2 - 14+16]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	Ureter	Urethra
* Urinary Bladder			

MISSING			
Lymph Node			

OBSERVATIONS			
* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Retina	Degeneration	Marked
	Cornea	Hyperplasia	Squamous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mandibular		Pigmentation	Minimal
* Pancreas	Acinus	Adenoma	Multiple
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500031
ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500032
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	Tooth	* Trachea	Urethra
* Urinary Bladder			

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the testes.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3- 5+15]			
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Adenoma	
[Adenoma TGLS = 4-16]			
* Preputial Gland		Inflammation	Mild
[Inflammation TGLS = 2-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500032
ORGAN AND ACCOUNTABLE SITE STATUS			
* Prostate		Adenoma	Multiple
		Inflammation	Minimal
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500033
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	Ureter	Urethra	* Urinary Bladder
MISSING			
* Parathyroid Gland	* Thymus		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Carcinoma	Metastatic (Thyroid Gland)
	Alveolus	Foreign Body	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
[Carcinoma TGLS = 1-9]			
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500033

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34	TRT#: 1	SEX: Male	DAY ON TEST: 706
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 0500034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	Urethra
* Urinary Bladder			

MISSING

Ureter

AUTO PRECLUDES DIAG.

* Eye

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
		Inflammation	Minimal
Blood Vessel			
Note: Vascular inflammation involves the testes.			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
		Angiectasis	Marked
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
[Angiectasis TGLS = 1,2,3 - 14+15+16]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 706 HISTO: 0500034
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Atrophy	Mild
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Adenoma	
	Epithelium	Hyperplasia	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 694 HISTO: 0500035
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	Coagulating Gland
* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Mild Minimal Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Atrophy	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization Nephropathy Inflammation	Minimal Moderate Chronic Active, Minimal
* Liver			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-14]			
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3 - 8]			
* Prostate		Inflammation	Minimal
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Minimal Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 35	TRT#: 1	SEX: Male	DAY ON TEST: 694
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500035
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
[Hypertrophy TGLS = 2-8]			
PRIMARY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 671 HISTO: 0500036
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Eye	Cornea	Inflammation	Marked
[Inflammation TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
[Inflammation TGLS = 3-12]			
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 2-14]			
* Spleen		Pigmentation	Mild
* Testes	Germinal Epith	Degeneration	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 671 HISTO: 0500036
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Eye Cornea Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 640 HISTO: 0500037
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung			
Note: Lung has a piece of normal liver tissue interpreted to be a floater.			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Nose		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37	TRT#: 1	SEX: Male	DAY ON TEST: 640
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500037
ORGAN AND ACCOUNTABLE SITE STATUS			
[Carcinoma TGLS = 1-14]			
PRIMARY CAUSE OF DEATH	- Zymbal's Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500038
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
* Prostate		Adenoma	Multiple
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500038
ORGAN AND ACCOUNTABLE SITE STATUS			
* Skin		Hyperplasia	Mild
[Hyperplasia TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 650
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* 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	Oral Mucosa	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the testes.			
* Eye		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 3-15]			
* Harderian Gland		Schwannoma Malignant	Metastatic (Eye)
[Schwannoma Malignant TGLS = 1-14]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 650
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500039
ORGAN AND ACCOUNTABLE SITE STATUS			
[Inflammation TGLS = 4-3+4]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland		Schwannoma Malignant	Metastatic (Eye)
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Testes	Germinal Epith	Degeneration	Marked
	Germinal Epith	Inflammation	Mild
		Mineralization	Mild
[Degeneration TGLS = 2-11]			
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	- Eye Schwannoma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500040
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500040
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500041
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	Urethra
* Urinary Bladder			
MISSING			
* Parathyroid Gland	Ureter		
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Minimal Minimal Minimal
* Eye	Cornea	Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia Inflammation	Minimal Chronic Active, Minimal
Lymph Node Note: Mediastinal Lymph Node is Normal.			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Skin [Keratoacanthoma TGLS = 1-14]		Keratoacanthoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500041
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42	TRT#: 1	SEX: Male	DAY ON TEST: 717
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
Blood Vessel		Hypertrophy	Minimal
Note: Vascular mineralization affects aorta in heart section.		Mineralization	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Eye	Antr Chamber	Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
[Infiltration Cellular TGLS = 3- 3+4]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Preputial Gland		Hyperplasia	Squamous, Minimal
* Prostate		Adenoma	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1- 14+15+16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 717 HISTO: 0500042
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 716 HISTO: 0500043
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Pancreas	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Mild
		Mineralization	Moderate
Note: Vascular inflammation affects the mediastinum (B03) and testes.			
Note: Vascular mineralization affects the aorta, mammary gland, prostate, and mesenteric and pancreatic vessels.			
* Eye	Cornea	Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Lung		Inflammation	Chronic Active, Moderate
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Mammary Gland		Mineralization	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Salivary Glands		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 716 HISTO: 0500043
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach	Epithelium	Hyperplasia Mineralization	Mild Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes	Germinal Epith	Degeneration	Moderate
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 617 HISTO: 0500044
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder
OBSERVATIONS			
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation affects testes.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2 - 14]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Prostate		Inflammation	Minimal
* Stomach, Forestomach		Inflammation	Mild
* Stomach, Glandular		Inflammation	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 549 HISTO: 0500045
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder
MISSING			
* Lymph Node, Mandibular			
OBSERVATIONS			
* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
* Lung		Inflammation	Granulomatous, Minimal
[Inflammation TGLS = 2-3+4]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Salivary Glands Schwannoma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500046
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Blood Vessel	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	Ureter
Urethra	* Urinary Bladder		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate	Epithelium	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked
Tooth	Peridont Tiss	Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500046
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47	TRT#: 1	SEX: Male	DAY ON TEST: 700
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
Tooth	* Trachea	Ureter	Urethra

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Minimal Mild Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct Bile Duct	Fibrosis Hyperplasia Inflammation	Minimal Mild Chronic Active, Minimal
* Lung [Infiltration Cellular TGLS = 1 - 3+4] Lymph Node Note: Mediastinal Lymph Node is Normal.	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland [Adenoma TGLS = 3 - 9]	Pars Distalis	Adenoma	
* Prostate	Epithelium	Adenoma Hyperplasia Inflammation Pigmentation	Moderate Mild Mild
* Spleen		Atrophy	Marked
* Thymus			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47	TRT#: 1	SEX: Male	DAY ON TEST: 700
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500047
ORGAN AND ACCOUNTABLE SITE STATUS			
[Adenoma TGLS = 4 - 9]			
* Urinary Bladder		Inflammation	Moderate
PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma			
Animal Note: TGL-2, cheek/pharynx perforation, had no corresponding lesion.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 1

DOSE: 0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0500048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
Coagulating Gland
* Harderian Gland
* Intestine Small, Duodenum
* Lung
* Mammary Gland
* Pituitary Gland
* Seminal Vesicle
* Testes

* Bone
* Epididymis
* Intestine Large, Cecum
* Intestine Small, Ileum
Lymph Node
* Nose
* Preputial Gland
* Skin
* Trachea

* Bone Marrow
* Esophagus
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
Oral Mucosa
* Prostate
* Stomach, Forestomach
Urethra

* Brain
* Eye
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Parathyroid Gland
* Salivary Glands
* Stomach, Glandular
* Urinary Bladder

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex
Blood Vessel
Note: Vascular inflammation affects mediastinum (B07 with aorta) and testes.
* Heart
* Kidney
* Liver

Lymph Node
Note: Mediastinal Lymph Node is Normal.
* Pancreas
[Adenoma TGLS = 1,2 - 14+21]
* Spleen

* Thymus
* Thyroid Gland
Tooth

Bile Duct

Acinus

C Cell

Peridont Tiss

Hypertrophy
Inflammation

Cardiomyopathy
Nephropathy
Clear Cell Focus
Hyperplasia
Inflammation

Adenoma

Hematopoietic Cell Proliferation
Pigmentation
Atrophy
Adenoma
Inflammation

Minimal
Minimal

Minimal
Moderate

Minimal
Chronic Active, Minimal

Multiple

Minimal
Minimal
Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500048

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 420 HISTO: 0500049
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Preputial Gland
* Salivary Glands	* Skin	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Marked
Blood Vessel		Inflammation	Marked
		Mineralization	Marked
Note: Vascular mineralization affects the aorta and cardiac, gastric, mammary, mediastinal (in B07) muscle, pancreatic, pulmonary, renal, and testicular vessels.			
Note: Vascular inflammation affects cardiac, cecal, mesenteric (B06), pancreatic, and testicular vessels.			
[Inflammation TGLS = 5,6 - 7+15]			
[Mineralization TGLS = 3 - 7]			
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
[Cardiomyopathy TGLS = 2 - 14]			
* Kidney		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 1 - 5]			
* Lung		Mineralization	Moderate
[Mineralization TGLS = 4 - 3+4]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 420 HISTO: 0500049
ORGAN AND ACCOUNTABLE SITE STATUS			
* Seminal Vesicle		Mineralization	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
		Mineralization	Mild
* Stomach, Glandular		Mineralization	Mild
* Testes	Germinal Epith	Degeneration	Mild
	Germinal Epith	Mineralization	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500050
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		
MISSING			
* Parathyroid Gland			
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
Blood Vessel		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation affects vessels in the following organs: cecum, epididymides, kidney, liver, mesentery, pancreas, glandular stomach, and testes.			
[Inflammation TGLS = 3-15]			
* Esophagus	Muscularis	Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
[Cardiomyopathy TGLS = 2-7]			
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
Note: Hepatocholangiocarcinoma has moderate angiectasis.			
[Hepatocellular Adenoma TGLS = 1-14]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 51	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500051
ORGAN AND ACCOUNTABLE SITE STATUS			
Lymph Node		Pigmentation	Minimal
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Pancreas		Atrophy	Minimal
		Inflammation	Mild
Acinus		Vacuolization Cytoplasmic	Minimal
Note: Pancreatic inflammation is associated with arterial inflammation and involves the pancreatic duct.			
* Parathyroid Gland		Hyperplasia	Minimal
* Preputial Gland		Squamous Cell Papilloma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Testes		Degeneration	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 674 HISTO: 0500052
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-15]			
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation affects the following organs: testes.			
* Eye	Cornea	Degeneration	Mild
	Cornea	Mineralization	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiofibrosis	Moderate
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Necrosis	Moderate
[Hepatodiaphragmatic Nodule TGLS = 1-14]			
* Lung		Congestion	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 674 HISTO: 0500052
ORGAN AND ACCOUNTABLE SITE STATUS			
		Cystic Keratinizing Epithelioma Pheochromocytoma Malignant Pigmentation	Multiple Metastatic (Adrenal Medulla) Minimal
[Congestion TGLS = 2-3+4] [Cystic Keratinizing Epithelioma TGLS = 5,6 - 4] Lymph Node Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Necrosis	Minimal
* Preputial Gland		Hyperplasia	Squamous, Moderate
* Prostate		Inflammation	Mild
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 4-16]	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Adrenal Medulla Pheochromocytoma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 499 HISTO: 0500053
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Hypertrophy	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation affects the following organs: pancreas, prostate, and testes.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mandibular		Congestion	Mild
		Hyperplasia	Lymphoid, Mild
[Congestion TGLS = 1-8]			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Pancreas		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 499 HISTO: 0500053
ORGAN AND ACCOUNTABLE SITE STATUS			
* Parathyroid Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 486 HISTO: 0500054
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	Urethra	* Urinary Bladder

MISSING

Lymph Node	Ureter
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OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the following organs: colon, epididymides, pancreas, and testes.			
* Harderian Gland		Inflammation	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Skin		Basal Cell Adenoma	
		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 486 HISTO: 0500054
ORGAN AND ACCOUNTABLE SITE STATUS			
[Basal Cell Adenoma TGLS = 1-14]			
[Squamous Cell Papilloma TGLS = 2-15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 595

DOSE: 10 MG/KG

DISP: Natural Death

HISTO: 0500055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder			

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Mild Mild Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization Nephropathy	Minimal Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung	Bile Duct	Hyperplasia Cystic Keratinizing Epithelioma	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 55	TRT#: 3	SEX: Male	DAY ON TEST: 595
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500055
ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes		Pigmentation	Minimal
Note: TGL-1, mottled testes, had no corresponding lesions.			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 332 HISTO: 0500056
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		
OBSERVATIONS			
* Brain		Necrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Marked
		Inflammation	Moderate
[Hypertrophy TGLS = 1 - 9]			
PRIMARY CAUSE OF DEATH	- Brain Necrosis		
CONTRIBUTORY CAUSE OF DEATH	- Thyroid Gland Follicular Cel Hypertrophy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 689 HISTO: 0500057
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	Ureter	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Mild
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the epididymides, testes, and thymus.			
Coagulating Gland		Inflammation	Moderate
* Eye	Cornea	Inflammation	Mild
* Heart		Cardiomyopathy	Mild
	Endocardium	Hyperplasia	Minimal
		Thrombosis	Moderate
[Thrombosis TGLS = 3 - 15]			
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 1 - 14]			
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 57	TRT#: 3	SEX: Male	DAY ON TEST: 689
	DOSE: 10 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500057
ORGAN AND ACCOUNTABLE SITE STATUS			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2 - 9]			
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		
CONTRIBUTORY CAUSE OF DEATH	- Heart Thrombosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 657 HISTO: 0500058
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
MISSING			
* Parathyroid Gland			
OBSERVATIONS			
* Adrenal Cortex		Necrosis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
		Pigmentation	Mild
[Cystic Keratinizing Epithelioma TGLS = 3,4,5 - 14+15+16]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 58	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 657 HISTO: 0500058
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Marked
		Thrombosis	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked
		Inflammation	Marked
[Hyperplasia TGLS = 2 - 9]			
PRIMARY CAUSE OF DEATH	- Heart Cardiomyopathy		
CONTRIBUTORY CAUSE OF DEATH	- Thyroid Gland Follicular Cel Hyperplasia		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500059
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder			
MISSING			
Ureter			
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Nose		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500059
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Mild
Note: Testes may appear large (TGL-1) because degeneration in this animal was less severe than average at this age. [Degeneration TGLS = 1 - 14]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 176 HISTO: 0500060
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 500 HISTO: 0500061
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Blood Vessel	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	
MISSING			
Lymph Node	Ureter		
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	Multiple
* Eye	Antr Chamber	Inflammation	Mild
	Cornea	Inflammation	Moderate
[Inflammation TGLS = 1 - 10]			
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2 - 5]			
* Liver	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 3 - 14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 500 HISTO: 0500061
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolar Epith	Inflammation	Chronic Active, Minimal
	Alveolar Epith	Metaplasia	Squamous, Marked
		Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 4 - 15]			
* Stomach, Glandular		Mineralization	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 537 HISTO: 0500062
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

Blood Vessel		Mineralization	Minimal
Note: Vascular mineralization involves the aorta (B07).			
* Eye	Cornea	Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
* Lung	Alveolar Epith	Metaplasia	Squamous, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratinizing, Marked
[Hyperplasia TGLS = 1 - 14]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 537 HISTO: 0500062
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach [Hyperplasia TGLS = 2 - 15]	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver Necrosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63	TRT#: 3	SEX: Male	DAY ON TEST: 535
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves the cecum, colon, heart, kidney, pancreas, and testes.			
* Heart		Cardiomyopathy	Minimal
		Schwannoma Benign	
Note: Intramural schwannoma in heart.			
[Schwannoma Benign TGLS = 2 - 15]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 63	TRT#: 3	SEX: Male	DAY ON TEST: 535
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500063
ORGAN AND ACCOUNTABLE SITE STATUS			
[Adenoma TGLS = 3 - 9]			
* Skin	Hair Follicle	Hyperplasia	Mild
[Hyperplasia TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 4 - 16]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Heart Schwannoma Benign		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 626 HISTO: 0500064
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
MISSING			
Lymph Node	* Lymph Node, Mesenteric		
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves epididymides, heart, mediastinum (with aorta in B07), mesentery (B15), rectum, and testes. [Inflammation TGLS = 4 - 15]			
* Eye	Cornea	Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Int Sm Jejunum			
Note: TGL-5 discoloration was due to autolysis.			
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 2 - 5]			
* Liver		Clear Cell Focus	
	Centrilobular	Degeneration	Minimal
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 626 HISTO: 0500064
ORGAN AND ACCOUNTABLE SITE STATUS			
	Bile Duct	Hyperplasia Inflammation Mixed Cell Focus	Minimal Chronic Active, Minimal
[Clear Cell Focus TGLS = 6 - 17] [Mixed Cell Focus TGLS = 6 - 17]			
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
	Alveolar Epith	Metaplasia	Squamous, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3 - 14]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 7,8 - 18+19]			
* Testes	Germinal Epith	Degeneration	Moderate
		Inflammation	Mild
	Germinal Epith	Mineralization	Minimal
[Degeneration TGLS = 1 - 11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Blood Vessel Inflammation		
CONTRIBUTORY CAUSE OF DEATH	- Heart Cardiomyopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 514 HISTO: 0500065
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	Urethra	* Urinary Bladder
MISSING			
Ureter			
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Minimal
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
[Hyperplasia TGLS = 1 - 6+7]			
* Lung	Alveolar Epith	Congestion	Mild
		Metaplasia	Bronchiolar, Minimal
		Pigmentation	Minimal
[Congestion TGLS = 2 - 3+4]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 514 HISTO: 0500065
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 617 HISTO: 0500066
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		
MISSING			
Lymph Node			
INSUFFICIENT TISSUE			
* Thymus			
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia Vacuolization Cytoplasmic	Minimal Minimal
* Eye			
Note: Optic nerves were missing from block and sections.			
* Heart	Epicardium	Sarcoma	Metastatic (Tissue Nos)
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 2 - 5]			
* Liver		Cholangiocarcinoma	
	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
[Cholangiocarcinoma TGLS = 3 - 14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 617 HISTO: 0500066
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lung Lymph Node Note: Mediastinal Lymph Node is Missing.	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Moderate
		Necrosis	Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
		Necrosis	Moderate
[Adenoma TGLS = 1 - 11]			
[Necrosis TGLS = 1 - 11]			
Tissue NOS	Mediastinum	Sarcoma	
PRIMARY CAUSE OF DEATH	- Tissue NOS Mediastinum Sarcoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 549 HISTO: 0500067
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Degeneration	Mild
		Hyperplasia	Mild
		Hyperplasia	Moderate
* Adrenal Medulla		Inflammation	Marked
Blood Vessel			
Note: Vascular inflammation involves the epididymides, heart, jejunum, liver, prostate, skin (B14), and testes.			
* Bone Marrow		Hyperplasia	Moderate
Coagulating Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Cortex	Cyst	Mild
	Pelvis	Inflammation	Mild
		Nephropathy	Marked
[Cyst TGLS = 4 - 15]			
[Nephropathy TGLS = 3 - 5]			
* Liver	Bile Duct	Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Lung		Fibrosis	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Marked
		Inflammation	Chronic Active, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Necrosis	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 549 HISTO: 0500067
ORGAN AND ACCOUNTABLE SITE STATUS			
[Necrosis TGLS = 6 - 16]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Infiltration Cellular	Histiocyte, Mild
Note: Lymph node hyperplasia is better appreciated in B03.			
[Hyperplasia TGLS = 5 - 17]			
* Lymph Node, Mesenteric		Pigmentation	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Prostate		Inflammation	Marked
[Inflammation TGLS = 2 - 13]			
* Skin		Ulcer	Marked
[Ulcer TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
		Necrosis	Minimal
[Hyperplasia TGLS = 7-18,8-19]			
* Testes	Germinal Epith	Degeneration	Moderate
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 454 HISTO: 0500068
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
MISSING			
Lymph Node	Ureter		
OBSERVATIONS			
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Mild
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Marked
[Cholangiocarcinoma TGLS = 1 - 14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver Necrosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 698 HISTO: 0500069
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the epididymides and testes.			
* Heart		Cardiomyopathy	Minimal
		Schwannoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
	Alveolar Epith	Metaplasia	Squamous, Marked
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4 - 4+14+15]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 69	TRT#: 3	SEX: Male	DAY ON TEST: 698
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500069
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Minimal
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Moderate
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Heart Schwannoma Benign		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 467 HISTO: 0500070
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Vacuolization Cytoplasmic Inflammation	Moderate Minimal Moderate
Blood Vessel			
Note: Vascular inflammation involves the heart, pancreas, and testes. [Inflammation TGLS = 1-14]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia Inflammation	Moderate
* Lung	Alveolus	Infiltration Cellular	Chronic Active, Mild Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pancreas		Atrophy Inflammation	Minimal Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 70	TRT#: 3	SEX: Male	DAY ON TEST: 467
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500070
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		
CONTRIBUTORY CAUSE OF DEATH	- Blood Vessel Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 521 HISTO: 0500071
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

Blood Vessel Note: Vascular inflammation involves the pancreas, stomach (B16), and testes.		Inflammation	Mild
* Eye	Cornea	Inflammation	Mild
* Heart		Cardiomyopathy Schwannoma Benign	Mild
* Int Lg Colon Note: TGL-3 (colonic nodule) is a lymphoid nodule and not a lesion.			
* Kidney [Nephropathy TGLS = 1 - 5]		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia Inflammation	Mild Chronic Active, Minimal
* Lung Lymph Node Note: Mediastinal Lymph Node is Missing. [Hyperplasia TGLS = 2 - 14]	Alveolar Epith Pancreatic	Metaplasia Hyperplasia	Bronchiolar, Minimal Lymphoid, Mild
Oral Mucosa	Gingival	Hyperplasia	Cyskeratinizing, Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 4 - 16]	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 521 HISTO: 0500071
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Heart Schwannoma Benign		
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 380 HISTO: 0500072
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Testes	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
MISSING			
Lymph Node	Ureter		
OBSERVATIONS			
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the rectum.			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas		Atrophy	Minimal
* Skin	Subcut Tiss	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 380 HISTO: 0500072
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Glandular		Pigmentation	Minimal
* Thymus		Mineralization	Mild
		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Schwannoma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 532

DOSE: 10 MG/KG

DISP: Natural Death

HISTO: 0500073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
* Lung		Pigmentation	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Mild
Mesentery			
Note: TGL-1 (fat nodule) was an autolysed lymph node and not a lesion.			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 644 HISTO: 0500074
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
MISSING			
Lymph Node	Ureter		
OBSERVATIONS			
* Adrenal Cortex		Adenoma	
	Zona Fascult	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[Adenoma TGLS = 2 - 9]			
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves the heart, intestines (most sections), kidney, pancreas, spleen, stomach (B17), testes, and thymus.			
[Inflammation TGLS = 1-14]			
* Eye	Cornea	Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
		Pigmentation	Mild
[Cystic Keratinizing Epithelioma TGLS = 3,5,6 - 4+15+16]			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 74	TRT#: 3	SEX: Male	DAY ON TEST: 644
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500074
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Hyperplasia Pigmentation	Lymphoid, Mild Minimal
[Hyperplasia TGLS = 4 - 6]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas		Atrophy Inflammation	Minimal Mild
Note: TGL 1 was originally coded under Pancreas - Inflammation but changed to Blood Vessel per PWG.			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 7 - 17]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Blood Vessel Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500075
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic Pheochromocytoma Benign	Marked Minimal Minimal
* Adrenal Medulla			
[Pheochromocytoma Benign TGLS = 1 - 9]			
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves the cecum, epididymides, heart, jejunum, kidney, mandibular lymph node, mediastinum (B03), pancreas, rectum, and testes.			
* Eye	Cornea	Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization Nephropathy	Minimal Moderate
[Nephropathy TGLS = 2 - 5]			
* Liver	Bile Duct Bile Duct Bile Duct	Dilatation Fibrosis Hematopoietic Cell Proliferation Hyperplasia Inflammation	Minimal Minimal Minimal Minimal Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 75	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500075
ORGAN AND ACCOUNTABLE SITE STATUS			
[Squamous Cell Carcinoma TGLS = 3 - 14]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 4 - 15]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 76	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500076
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Degeneration	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Cyst	Moderate
		Mineralization	Minimal
		Nephropathy	Mild
[Cyst TGLS = 4 - 15]			
* Liver		Cholangiocarcinoma	
		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
Note: Cholangiocarcinoma extends into mesentery in the duodenal section (B06).			
[Cholangiocarcinoma TGLS = 5 - 16]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 76	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500076
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 1,2,3 - 4+14+15]		Pigmentation	Mild
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas		Inflammation	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate	Epithelium	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500077
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Mammary Gland
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex	Degeneration	Minimal
	Hypertrophy	Minimal
	Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla	Hyperplasia	Marked
Blood Vessel	Inflammation	Marked
Note: Vascular inflammation involves the cecum, epididymides, kidneys, pancreas, rectum, glandular stomach, and testes.		
* Brain	Gliosis	Mild
	Necrosis	Moderate
* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Moderate
[Nephropathy TGLS = 1 - 5]		
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Hematopoietic Cell Proliferation	Minimal
	Inflammation	Chronic Active, Minimal
* Lung	Cystic Keratinizing Epithelioma	
	Infiltration Cellular	Histiocyte, Moderate
	Metaplasia	Bronchiolar, Moderate
	Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 3 - 14]		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 77	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500077
ORGAN AND ACCOUNTABLE SITE STATUS			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Germinal Epith	Degeneration	Marked
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 612

DOSE: 10 MG/KG

DISP: Natural Death

HISTO: 0500078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	Coagulating Gland	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder			

MISSING

Lymph Node	Ureter
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves the epididymides, kidneys, mesentery, pancreas (B14), rectum, and testes.			
[Inflammation TGLS = 1-14]			
* Bone Marrow		Hyperplasia	Mild
* Eye	Cornea	Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2 - 5]			
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Pigmentation	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Marked
Lymph Node			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 78	TRT#: 3	SEX: Male	DAY ON TEST: 612
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500078
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Atrophy	Mild
		Inflammation	Moderate
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 3 - 15]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Blood Vessel Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 427

DOSE: 10 MG/KG

DISP: Natural Death

HISTO: 0500079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the carotid (B03) artery, kidneys, pancreas, and testes.			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
	Alveolar Epith	Metaplasia	Squamous, Minimal
		Pigmentation	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 79	TRT#: 3	SEX: Male	DAY ON TEST: 427
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500079
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach	Epithelium	Pigmentation	Minimal
[Hyperplasia TGLS = 1 - 14]		Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 80	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 576 HISTO: 0500080
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	Ureter	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
		Inflammation	Minimal
Blood Vessel			
Note: Vascular inflammation involves the epididymides.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
	Alveolar Epith	Metaplasia	Squamous, Moderate
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 2 - 15]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1 - 14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 576 HISTO: 0500080
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 3 - 16]	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Salivary Glands Schwannoma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 627 HISTO: 0500081
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the thymus.			
* Eye	Antr Chamber	Inflammation	Moderate
	Cornea	Inflammation	Moderate
[Inflammation TGLS = 1 - 10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Parathyroid Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 627 HISTO: 0500081
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 2 - 14]	Epithelium	Hyperplasia	Marked
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 504 HISTO: 0500082
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Nose		Inflammation	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
	Gingival	Squamous Cell Carcinoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 2 - 14]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 471 HISTO: 0500083
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	Ureter
Urethra	* Urinary Bladder		
OBSERVATIONS			
* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Hematopoietic Cell Proliferation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 682

DOSE: 10 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the duodenum, epididymides, cecum, pancreas, rectum, and testes.			
* Brain		Edema	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Mild
		Inflammation	Chronic Active, Minimal
Note: The clear cell foci in this animal appear intermediate between clear and eosinophilic foci, but the cells are more appropriate size for clear cell foci.			
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 1 - 8]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
[Hyperplasia TGLS = 2 - 6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 682 HISTO: 0500084
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Preputial Gland		Hyperplasia	Squamous, Minimal
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 85	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 62 HISTO: 0500085
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Bone Marrow		Lymphoma Malignant	
* Heart		Cardiomyopathy	Minimal
		Lymphoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
Lymph Node	Renal	Lymphoma Malignant	
Note: Mediastinal Lymph Node is Missing.			
[Lymphoma Malignant TGLS = 3 - 15]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4 - 16]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2 - 14]			
PRIMARY CAUSE OF DEATH	- Thymus Lymphoma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500086
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		
MISSING			
Lymph Node	Ureter		
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Cardiomyopathy Nephropathy Clear Cell Focus Eosinophilic Focus Hematopoietic Cell Proliferation	Mild Minimal Minimal Minimal
* Heart			
* Kidney			
* Liver			
	Bile Duct	Hyperplasia Cystic Keratinizing Epithelioma	Minimal Minimal Multiple
* Lung	Alveolus	Infiltration Cellular Inflammation Metaplasia Pigmentation	Histiocyte, Mild Chronic Active, Marked Bronchiolar, Mild Minimal
	Alveolar Epith		
[Cystic Keratinizing Epithelioma TGLS = 1 - 14]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500086
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 87	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 635 HISTO: 0500087
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1 - 14]			
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Minimal
* Testes	Germinal Epith	Degeneration	Marked
	Germinal Epith	Mineralization	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 635 HISTO: 0500087
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thyroid Gland	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	- Liver Necrosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 705 HISTO: 0500088
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	
MISSING			
Lymph Node			
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Mild
	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves the cecum, heart, ileum, jejunum, kidneys, liver, mesenteric vessels (B18), and testes.			
[Inflammation TGLS = 7-18]			
* Bone Marrow		Hyperplasia	Mild
* Brain		Gliosis	Mild
		Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 3 - 5]			
* Liver	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 88	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 705 HISTO: 0500088
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
[Cystic Keratinizing Epithelioma TGLS = 4,5,6 - 3+14+15]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Necrosis	Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin		Basal Cell Adenoma	
		Cyst Epithelial Inclusion	
		Inflammation	Moderate
[Basal Cell Adenoma TGLS = 1 - 16]			
[Cyst Epithelial Inclusion TGLS = 2 - 17]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Brain Necrosis		
CONTRIBUTORY CAUSE OF DEATH	- Blood Vessel Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 690 HISTO: 0500089
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Trachea	Urethra	* Urinary Bladder
MISSING			
Lymph Node	Ureter		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the heart, pancreas, and testes.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
Lacrimal Gland		Cytoplasmic Alteration	Marked
Note: Harderian alteration of lacrimal glands. [Cytoplasmic Alteration TGLS = 2 - 15]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Congestion	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4 - 16] [Congestion TGLS = 3 - 6+7]			
* Lung		Alveolar/Bronchiolar Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 89	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 690 HISTO: 0500089
ORGAN AND ACCOUNTABLE SITE STATUS			
Alveolus [Alveolar/Bronchiolar Adenoma TGLS = 7 - 4] [Cystic Keratinizing Epithelioma TGLS = 6 - 4] Lymph Node Note: Mediastinal Lymph Node is Missing. * Lymph Node, Mandibular [Ectasia TGLS = 1 - 14] * Lymph Node, Mesenteric Oral Mucosa * Pancreas Acinus * Pituitary Gland * Spleen * Stomach, Forestomach [Hyperplasia TGLS = 8 - 17] * Thymus * Thyroid Gland [Adenoma TGLS = 5 - 9] [Hyperplasia TGLS = 5 - 9] Tooth		Cystic Keratinizing Epithelioma Infiltration Cellular Pigmentation Ectasia Pigmentation Hyperplasia Hyperplasia Atrophy Hyperplasia Hyperplasia Hematopoietic Cell Proliferation Pigmentation Hyperplasia Atrophy Adenoma Hyperplasia Inflammation	Histiocyte, Mild Minimal Mild Minimal Squamous, Minimal Cyskeratnizing, Mild Minimal Moderate Mild Mild Minimal Mild Marked Mild Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 90	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500090
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	
MISSING			
* Thymus			
OBSERVATIONS			
* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Atrophy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Moderate
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 90	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500090
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thyroid Gland	Follicular Cel	Pigmentation	Minimal
	Follicular Cel	Adenoma	Multiple
		Hyperplasia	Marked
		Inflammation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91	TRT#: 3	SEX: Male	DAY ON TEST: 549
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Marked
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Necrosis	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 91	TRT#: 3	SEX: Male	DAY ON TEST: 549
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500091
ORGAN AND ACCOUNTABLE SITE STATUS			
[Hyperplasia TGLS = 2 - 14]			
* Testes	Germinal Epith	Degeneration	Marked
	Germinal Epith	Mineralization	Mild
		Necrosis	Mild
[Mineralization TGLS = 1 - 11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Heart Cardiomyopathy		
CONTRIBUTORY CAUSE OF DEATH	- Liver Necrosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the heart, pancreas, rectum, testes, and thymus.			
Ear	External Ear	Hyperplasia	Squamous, Moderate
Note: TGL-2, ear mass, may actually be a keratoacanthoma, although uncommon on ear. This diagnosis is not available under "ear" in TDMS, but is under "skin".			
[Hyperplasia TGLS = 2 - 15]			
* Eye	Cornea	Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92		TRT#: 3	SEX: Male	DAY ON TEST: 727
		DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500092
ORGAN AND ACCOUNTABLE SITE STATUS				
Lymph Node				
Note: Mediastinal Lymph Node is Normal.				
* Lymph Node, Mesenteric			Pigmentation	Minimal
* Nose			Inflammation	Minimal
Oral Mucosa		Gingival	Squamous Cell Carcinoma	Multiple
Note: Bilateral Carcinomas.				
* Preputial Gland			Hyperplasia	Squamous, Mild
* Skin			Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1 - 14]				
* Spleen			Hematopoietic Cell Proliferation	Mild
			Pigmentation	Minimal
* Stomach, Forestomach		Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 3 - 16]				
* Thymus			Atrophy	Mild
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 524 HISTO: 0500093
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	Urethra
* Urinary Bladder			
MISSING			
Lymph Node	Ureter		
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
		Hypertrophy	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the cecum, pancreas, and testes.			
Note: Inflammation involves an artery near the Pancreas and Bile Duct.			
[Inflammation TGLS = 3-14]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2 - 5]			
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 93	TRT#: 3	SEX: Male	DAY ON TEST: 524
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500093
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas		Inflammation	Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		
CONTRIBUTORY CAUSE OF DEATH	- Blood Vessel Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 94	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500094
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the epididymides and testes.			
* Eye	Cornea	Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
	Alveolar Epith	Metaplasia	Squamous, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2,3,5,6 - 4+14+15+17]			
[Hyperplasia TGLS = 4 - 16]			
Lymph Node		Pigmentation	Minimal
Note: Mediastinal Lymph Node is Normal.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 94	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500094
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 9 - 19]			
[Squamous Cell Carcinoma TGLS = 8 - 18]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1 - 9]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 524 HISTO: 0500095
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	

MISSING

Ureter

AUTO PRECLUDES DIAG.

* Lymph Node, Mesenteric	* Pancreas
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the testes.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lung	Alveolus		
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
		Hyperplasia	Mild
* Stomach, Forestomach	Epithelium		
[Hyperplasia TGLS = 1 - 14]			
* Thymus		Atrophy	Moderate
		Hemangioma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95	TRT#: 3	SEX: Male	DAY ON TEST: 524
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500095

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- UNCERTAIN
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 541 HISTO: 0500096
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	
MISSING			
Lymph Node	Ureter		
OBSERVATIONS			
* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pancreas	Acinus	Adenoma	
[Adenoma TGLS = 2 - 14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 541 HISTO: 0500096
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Pancreas Acinus Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 97	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 602 HISTO: 0500097
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	
MISSING			
Lymph Node	* Parathyroid Gland	Ureter	
OBSERVATIONS			
* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the heart and testes.			
* Bone Marrow		Hyperplasia	Marked
Coagulating Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis	Inflammation	Mild
		Nephropathy	Moderate
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Pigmentation	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
		Pigmentation	Minimal
[Infiltration Cellular TGLS = 2 - 14]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 602 HISTO: 0500097
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pituitary Gland [Adenoma TGLS = 1 - 9]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Marked
* Seminal Vesicle		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 4 - 15]	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland [Hypertrophy TGLS = 3 - 9]	Follicular Cel	Angiectasis Hypertrophy	Moderate Marked
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 671 HISTO: 0500098
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Bone	Coagulating Gland	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
		Infiltration Cellular	Mononuclear CI, Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the epididymides, pancreas, testes, and thyroid gland.			
* Bone Marrow		Hyperplasia	Moderate
* Brain		Necrosis	Minimal
* Epididymis		Granuloma Sperm	Moderate
[Granuloma Sperm TGLS = 5 - 15]			
* Eye	Retina	Degeneration	Moderate
	Cornea	Inflammation	Moderate
[Inflammation TGLS = 6 - 10]			
* Heart		Cardiomyopathy	Moderate
		Thrombosis	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 4 - 14]			
* Liver		Cholangiocarcinoma	Multiple
	Centrilobular	Degeneration	Mild
		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 671 HISTO: 0500098
ORGAN AND ACCOUNTABLE SITE STATUS			
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
[Cholangiocarcinoma TGLS = 8 - 16]			
[Fibrosis TGLS = 2 - 6+7]			
[Hyperplasia TGLS = 3 - 6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Pigmentation	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Pancreas	Acinus	Hyperplasia	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 7 - 9]			
* Prostate		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1 - 5]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Necrosis	Minimal
[Hyperplasia TGLS = 9 - 17]			
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Moderate
* Urinary Bladder		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 99	TRT#: 3 DOSE: 10 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 637 HISTO: 0500099
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		
MISSING			
Lymph Node	Ureter		
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Mild
	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
Blood Vessel	Aorta, Intima	Hyperplasia	Mild
		Inflammation	Minimal
Note: Vascular inflammation involves the testes.			
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Necrosis	Moderate
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 3 - 14]			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 99	TRT#: 3	SEX: Male	DAY ON TEST: 637
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500099
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1 - 15]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 4 - 16]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver Necrosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 576

DOSE: 10 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 2 - 14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 100	TRT#: 3	SEX: Male	DAY ON TEST: 576
	DOSE: 10 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500100
ORGAN AND ACCOUNTABLE SITE STATUS			
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1 - 15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Salivary Glands Schwannoma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101	TRT#: 5	SEX: Male	DAY ON TEST: 554
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

Lymph Node	* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 1-9]			
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves the following organs: spleen, mesentery, pancreas, heart, and testes.			
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 4-14]			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 101	TRT#: 5	SEX: Male	DAY ON TEST: 554
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500101
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Pancreas		Inflammation	Moderate
[Inflammation TGLS = 3-6]			
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 5 - 15]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Pancreas Inflammation		
CONTRIBUTORY CAUSE OF DEATH	- Blood Vessel Inflammation		
Animal Note: Pancreatic inflammation may be secondary to vascular damage and inflammation.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 102

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 497

HISTO: 0500102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	Urethra	* Urinary Bladder

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
Blood Vessel		Inflammation	Mild
Note: Arteries/arterioles have fibrinoid degeneration and inflammation in the following organs: bile duct (B15), pancreas, prostate, and testes.			
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Granuloma Sperm	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Cholangiocarcinoma	
	Bile Duct	Dilatation	Marked
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
[Cholangiocarcinoma TGLS = 3-14]			
[Dilatation TGLS = 4-15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lym Node Mand			
Note: TGL-1, grossly called an enlarged mandibular lymph node, was an epidermal inclusion cyst listed under salivary gland.			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 497 HISTO: 0500102
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Minimal
* Pancreas		Inflammation	Moderate
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 5-9]			
* Salivary Glands		Cyst	Marked
Note: Cyst was an epidermal inclusion cyst with inflammation and embedded hairs.			
[Cyst TGLS = 1-17]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Liver Bile Duct Dilatation		
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 562 HISTO: 0500103
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	* Mammary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Trachea	Urethra	* Urinary Bladder	

MISSING

Ureter

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
	Zona Fascult	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation affects the following organs: epididymides, kidneys, pancreas, testes, and thymus.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
		Inflammation	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 1-5+14]			
* Liver	Centrilobular	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
[Degeneration TGLS = 3-16]			
[Hyperplasia TGLS = 2-15]			
* Lung		Cystic Keratinizing Epithelioma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 562 HISTO: 0500103
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Squamous, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: No corresponding lesion for TGLs 9+10 (lung nodules). [Cystic Keratinizing Epithelioma TGLS = 6,7,8 - 18+19]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Note: Mediastinal lymph node (TGL-4) had no corresponding microscopic lesion.			
* Lymph Node, Mandibular		Necrosis	Mild
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 5-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 609

HISTO: 0500104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation affects the following organs: heart, subcutis of face, and testes.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
[Thrombosis TGLS = 4-17]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Moderate
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Mild
Note: TGL-3 liver enlargement is probably actually due to congestion secondary to degeneration and necrosis, so correlated with necrosis.			
[Necrosis TGLS = 2,3 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Squamous, Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104		TRT#: 5	SEX: Male	DAY ON TEST: 609
		DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500104
ORGAN AND ACCOUNTABLE SITE STATUS				
[Cystic Keratinizing Epithelioma TGLS = 5,6,7,8,9 - 3+4+14+15+16]				
Lymph Node				
Note: Mediastinal Lymph Node is Missing.				
* Lymph Node, Mesenteric		Atrophy	Mild	
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal	
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild	
* Skin		Hyperplasia	Minimal	
Note: Sebaceous gland hyperplasia in B10 with harderian gland.				
* Spleen	Lymph Follic	Atrophy	Mild	
		Congestion	Mild	
		Pigmentation	Minimal	
[Congestion TGLS = 1-5]				
* Thymus		Atrophy	Marked	
Tooth	Peridont Tiss	Inflammation	Minimal	
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 660

HISTO: 0500105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

* Bone Marrow

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
Blood Vessel		Hypertrophy	Minimal
Note: Inflammation involved arteries in the following organs: heart, pancreas, rectum, and testis.		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5 - 3+14+15+16]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 660 HISTO: 0500105
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratinizing, Moderate
	Gingival	Hyperplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Marked
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 689

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	Ureter
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation affects the testes.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2 - 5]			
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Minimal
* Lung	Bile Duct	Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	Alveolar Epith	Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7,8 - 4+14+15+16+17]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 106	TRT#: 5	SEX: Male	DAY ON TEST: 689
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500106
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		
Animal Note: TGL 9 = NCL (No Corresponding Lesion)			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 491

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 2 - 14]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 491 HISTO: 0500107
ORGAN AND ACCOUNTABLE SITE STATUS			
	Follicular Cel	Hyperplasia Inflammation	Marked Moderate
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 588

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Necrosis Vacuolization Cytoplasmic Inflammation	Mild Minimal Mild Moderate
Blood Vessel			
Note: Vascular inflammation affects cardiac, mesenteric (B16), pancreatic (also B16), and testicular vessels. [Inflammation TGLS = 6 - 16]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization Nephropathy	Minimal Moderate
* Liver	Centrilobular	Degeneration Fatty Change Hematopoietic Cell Proliferation	Mild Focal, Minimal Moderate
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia Inflammation Pigmentation	Minimal Chronic Active, Minimal Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Mild Chronic Active, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3,4,5, - 14+15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 588 HISTO: 0500108
ORGAN AND ACCOUNTABLE SITE STATUS			
Lymph Node Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 1- 9]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 7 - 17]	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:58
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 658

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Trachea	Ureter
Urethra			

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Minimal
		Mineralization	Minimal
Note: Vascular inflammation affects testes.			
Note: Vascular mineralization affects testes.			
* Bone Marrow		Hyperplasia	Mild
Coagulating Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
		Inflammation	Granulomatous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 109	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 658 HISTO: 0500109
ORGAN AND ACCOUNTABLE SITE STATUS			
Alveolar Epith		Metaplasia Pigmentation	Bronchiolar, Mild Mild
[Cystic Keratinizing Epithelioma TGLS = 3,4 - 14+15]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Marked
[Inflammation TGLS = 2 - 13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 5 - 16]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Mild
* Urinary Bladder		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Prostate Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:58

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 110

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 533

HISTO: 0500110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation affects arteries in cecum, epididymides, heart, lungs, mediastinum (B07 w/ aorta), mesentery, pancreas, prostate, rectum, and testes.			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 1 - 5]			
* Liver	Centrilobular	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Mild
[Cystic Keratinizing Epithelioma TGLS = 2,3,4,5,6 - 3+4+14]			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 533 HISTO: 0500110
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: Mediastinal Lymph Node is Normal.			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Minimal
	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Moderate
[Hypertrophy TGLS = 8 - 9]			
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 712 HISTO: 0500111
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	
MISSING			
Lymph Node	* Thymus	Ureter	
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the heart and testes.			
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	Metastatic (Tissue Nos)
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Minimal
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
[Cystic Keratinizing Epithelioma TGLS = 1,2,4 - 4+14+15]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 111	TRT#: 5	SEX: Male	DAY ON TEST: 712
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500111
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Germinal Epith	Degeneration	Minimal
Tissue NOS	Mediastinum	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 3-16]			
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 112

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 562

HISTO: 0500112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Minimal
		Mineralization	Minimal
Note: Vascular inflammation involves the pancreas and testes.			
Note: Vascular mineralization involves the aorta.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 1 - 5]			
* Liver	Centrilobular	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
	Alveolar Epith	Metaplasia	Squamous, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2,3,4,5 - 3+14+15+16]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 112	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 562 HISTO: 0500112
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 608

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	Ureter
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Marked
		Hypertrophy	Minimal
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation affects the duodenum, epididymides, heart, mediastinum (in B03 and B15), pancreas, rectum, and testes.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5,6 - 3+14+15+16+17]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Mild
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 608 HISTO: 0500113
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 438

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Vacuolization Cytoplasmic	Mild Minimal
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Granuloma Sperm	Marked
[Granuloma Sperm TGLS = 5 - 11]			
* Heart		Cardiomyopathy Fibrosarcoma	Mild Metastatic (Tissue Nos)
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Necrosis	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Fibrosarcoma	Metastatic (Tissue Nos)
[Fibrosarcoma TGLS = 3 - 14]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1 - 8]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4 - 6]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 438 HISTO: 0500114
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 6 - 15]	Epithelium	Hyperplasia	Minimal
Tissue NOS	Mediastinum	Fibrosarcoma	
PRIMARY CAUSE OF DEATH	- Tissue NOS Mediastinum Fibrosarcoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Accidentally Killed	DAY ON TEST: 38 HISTO: 0500115
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder
MISSING			
Lymph Node	* Parathyroid Gland		
OBSERVATIONS			
* Kidney		Mineralization	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
Skeletal Muscle		Hemorrhage	Moderate
[Hemorrhage TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	- Skeletal Muscle Hemorrhage		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 573

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		

MISSING

Lymph Node	Ureter
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OBSERVATIONS

* Adrenal Cortex	Vacuolization Cytoplasmic	Minimal
Blood Vessel	Inflammation	Mild
Note: Vascular inflammation involves the epididymides and testes.		
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Mild
[Nephropathy TGLS = 1 - 5]		
* Liver	Inflammation	Chronic Active, Minimal
* Lung	Cystic Keratinizing Epithelioma	Multiple
	Infiltration Cellular	Histiocyte, Minimal
	Metaplasia	Bronchiolar, Moderate
	Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 5,6 - 4]		
Lymph Node		
Note: Mediastinal Lymph Node is Missing.		
* Lymph Node, Mesenteric	Pigmentation	Minimal
* Nose	Inflammation	Minimal
* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 116	TRT#: 5	SEX: Male	DAY ON TEST: 573
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500116
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach [Hyperplasia TGLS = 7 - 14]	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 117

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 670

HISTO: 0500117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	Ureter
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the heart and testes.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
[Hyperplasia TGLS = 4 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
[Cystic Keratinizing Epithelioma TGLS = 1,2,3 - 3+4+14]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 117	TRT#: 5	SEX: Male	DAY ON TEST: 670
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500117
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen	Acinus	Vacuolization Cytoplasmic	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 653

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the epididymides and heart.			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 2 - 4]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 653 HISTO: 0500118
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate	Epithelium	Hyperplasia	Moderate
* Skin		Inflammation	Moderate
		Ulcer	Mild
[Inflammation TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 602

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

Lymph Node	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Moderate
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the heart, mediastinum (B07 w/ aorta), pancreas, and testes.			
[Inflammation TGLS = 4 - 15]			
* Harderian Gland		Schwannoma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Cystic Keratinizing Epithelioma	
[Cystic Keratinizing Epithelioma TGLS = 2 - 3]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Prostate		Inflammation	Minimal
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1 - 14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 602 HISTO: 0500119
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 5 - 16]	Epithelium	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 617

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Necrosis	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves the duodenum, epididymides, heart, mesentery (B06), testes, and thymus.			
* Brain		Necrosis	Mild
Coagulating Gland		Inflammation	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Necrosis	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2 - 5]			
* Liver	Centrilobular	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Marked
[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7 - 3+4]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 617 HISTO: 0500120
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
	Gingival	Hyperplasia	Cyskeratnizing, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Mineralization	Minimal
* Testes	Germinal Epith	Degeneration	Marked
[Degeneration TGLS = 1 - 11]			
* Thymus		Atrophy	Marked
* Urinary Bladder		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 121

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 574

HISTO: 0500121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the epididymides and testes.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 1 - 5]			
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Focal, Minimal
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Mild
		Toxic Hepatopathy	Minimal
* Lung	Alveolus	Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Infiltration Cellular	Histiocyte, Mild
[Cystic Keratinizing Epithelioma TGLS = 2,3,4,5,6 - 3+4+14+15]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 574 HISTO: 0500121
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 707

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Eye	Cornea	Inflammation	Minimal
[Inflammation TGLS = 1 - 10]			
* Heart		Cardiomyopathy	Mild
		Thrombosis	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Moderate
[Cystic Keratinizing Epithelioma TGLS = 4,5,6,7,8 - 3+4+14+15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 707 HISTO: 0500122
ORGAN AND ACCOUNTABLE SITE STATUS			
Lymph Node Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
	Gingival	Hyperplasia	Cyskeratinizing, Mild
* Pancreas		Atrophy	Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Germinal Epith	Degeneration	Moderate
	Germinal Epith	Mineralization	Minimal
[Degeneration TGLS = 3 - 11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 123

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 712

HISTO: 0500123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Testes
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

MISSING			
* Parathyroid Gland			

OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
		Mineralization	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Necrosis	Moderate
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Squamous, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Mild
[Cystic Keratinizing Epithelioma TGLS = 1 - 3+4+14+15]			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 123	TRT#: 5	SEX: Male	DAY ON TEST: 712
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500123
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Spleen	Lymph Follic	Atrophy	Marked
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 3 - 17]			
* Stomach, Glandular		Inflammation	Mild
		Necrosis	Mild
[Necrosis TGLS = 2 - 16]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 30 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Multinucleated	Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
	[Cystic Keratinizing Epithelioma TGLS = 1,2,4 - 3+4]		
	[Metaplasia TGLS = 3 - 3]		
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Nose		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500124
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland [Adenoma TGLS = 5 - 9]	Pars Distalis	Adenoma	
* Prostate	Epithelium	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland		Atrophy	Moderate
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Marked
		Inflammation	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 125

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 474

HISTO: 0500125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
Coagulating Gland
* Harderian Gland
* Intestine Small, Duodenum
* Lymph Node, Mandibular
* Parathyroid Gland
* Salivary Glands
* Thyroid Gland
* Urinary Bladder

* Adrenal Medulla
* Epididymis
* Intestine Large, Cecum
* Intestine Small, Ileum
* Mammary Gland
* Pituitary Gland
* Seminal Vesicle
* Trachea

* Bone
* Esophagus
* Intestine Large, Colon
* Intestine Small, Jejunum
* Nose
* Preputial Gland
* Skin
Ureter

* Brain
* Eye
* Intestine Large, Rectum
* Islets, Pancreatic
* Pancreas
* Prostate
* Stomach, Glandular
Urethra

MISSING

Lymph Node

OBSERVATIONS

Blood Vessel
Note: Vascular inflammation involves the pancreas and testes.

* Bone Marrow
* Heart
* Kidney
* Liver

Centrilobular

* Lung

Alveolus

Alveolar Epith

Lymph Node
Note: Mediastinal Lymph Node is Missing.

* Lymph Node, Mesenteric
Oral Mucosa

Gingival
Gingival

Inflammation

Hyperplasia
Cardiomyopathy
Nephropathy
Basophilic Focus
Degeneration
Fatty Change
Fatty Change
Hematopoietic Cell Proliferation
Infiltration Cellular
Inflammation
Metaplasia

Pigmentation
Hyperplasia
Squamous Cell Carcinoma

Mild

Mild
Moderate
Moderate

Minimal
Focal, Minimal
Diffuse, Minimal
Minimal
Histiocyte, Minimal
Chronic Active, Minimal
Squamous, Marked

Minimal
Squamous, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 474 HISTO: 0500125
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 3 - 14]	Epithelium	Hyperplasia	Mild
* Testes [Degeneration TGLS = 2 - 11]	Germinal Epith	Degeneration	Marked
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Heart Cardiomyopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 126

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 587

HISTO: 0500126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves epididymides, heart, kidney, mediastinum (branch off aorta, B07), pancreas, prostate, rectum, testes, thymus, and trachea.			
[Inflammation TGLS = 2-14]			
* Bone Marrow		Hyperplasia	Minimal
* Epididymis		Granuloma Sperm	Marked
[Granuloma Sperm TGLS = 3 - 11]			
* Eye	Cornea	Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 126	TRT#: 5	SEX: Male	DAY ON TEST: 587
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500126
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas	Gingival	Squamous Cell Carcinoma	
		Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Blood Vessel	Inflammation	
Animal Note: TGL 1 = NCL (No Corresponding Lesion)			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 295

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves the heart (marked inflammation destroying blood vessels), and prostate.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Inflammation	Marked
[Inflammation TGLS = 4 - 14]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Moderate
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 5 - 15]			
* Testes	Germinal Epith	Degeneration	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 127	TRT#: 5	SEX: Male	DAY ON TEST: 295
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500127
ORGAN AND ACCOUNTABLE SITE STATUS			
	Germinal Epith	Mineralization	Mild
		Necrosis	Marked
[Necrosis TGLS = 2,3 - 11]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Blood Vessel Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 580 HISTO: 0500128
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 2 - 5]			
* Liver		Basophilic Focus	
		Cholangiofibrosis	Mild
		Clear Cell Focus	
	Centrilobular	Degeneration	Minimal
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Cholangiofibrosis TGLS = 1 - 14]			
[Clear Cell Focus TGLS = 1 - 15]			
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 128	TRT#: 5	SEX: Male	DAY ON TEST: 580
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500128
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 609

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the pancreas, glandular stomach, and testes.			
[Inflammation TGLS = 6-18]			
* Bone Marrow		Hyperplasia	Mild
* Eye	Antr Chamber	Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Cyst	Mild
		Mineralization	Minimal
		Nephropathy	Mild
[Cyst TGLS = 4 - 17]			
[Nephropathy TGLS = 5 - 5]			
* Liver	Bile Duct	Dilatation	Moderate
		Eosinophilic Focus	
	Bile Duct	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Marked
	Oval Cell	Hyperplasia	Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 609 HISTO: 0500129
ORGAN AND ACCOUNTABLE SITE STATUS			
[Dilatation TGLS = 3 - 16] [Hepatodiaphragmatic Nodule TGLS = 10 - 22]			
* Lung	Alveolus Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Pigmentation	Multiple Histiocyte, Minimal Bronchiolar, Mild Minimal
[Cystic Keratinizing Epithelioma TGLS = 7,8,9 - 19+20+21]			
Lymph Node Note: Mediastinal Lymph Node is Normal.			
* Nose	Nasolacrim Dct	Hyperplasia Inflammation	Mild Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Moderate Mild
[Hyperplasia TGLS = 11 - 23]			
* Thymus		Atrophy	Marked
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2 - 15]			
PRIMARY CAUSE OF DEATH	- Zymbal's Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 130

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 448

HISTO: 0500130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the epididymides, mesentery, pancreas, testes, and thymus.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 4 - 5]			
* Liver	Bile Duct	Dilatation	Marked
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Marked
		Toxic Hepatopathy	Minimal
[Dilatation TGLS = 2 - 14]			
* Lung	Alveolar Epith	Metaplasia	Squamous, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 130	TRT#: 5	SEX: Male	DAY ON TEST: 448
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500130
ORGAN AND ACCOUNTABLE SITE STATUS			
[Inflammation TGLS = 3 - 6]		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Pancreas Inflammation		
CONTRIBUTORY CAUSE OF DEATH	- Liver Bile Duct Dilatation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 697 HISTO: 0500131
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the epididymides, heart, mesentery (B06), pancreas, and testes.			
[Inflammation TGLS = 8-15]			
* Eye	Lens	Cataract	Minimal
	Retina	Degeneration	Minimal
	Cornea	Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 3 - 5]			
* Liver	Bile Duct	Cyst	Moderate
	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
		Pigmentation	Mild
[Cyst TGLS = 2 - 14]			
[Degeneration TGLS = 1-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 697 HISTO: 0500131
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 5,6 - 3+16]			
Lymph Node	Mediastinal	Hemorrhage	Marked
[Hemorrhage TGLS = 4 - 16]			
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 452

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Pigmentation	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 452 HISTO: 0500132
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 307 HISTO: 0500133
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Oral Mucosa	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

Blood Vessel		Inflammation	Mild
		Mineralization	Marked
Note: Vascular mineralization involves the aorta, cardiac vessels, mammary gland, mesenteric vessels (B06), pancreas, lungs, and glandular stomach.			
Note: Vascular inflammation involves the mesenteric arteries (B06), pancreas, testes, and thymic vessels.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Marked
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 1 - 5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Nose		Inflammation	Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133	TRT#: 5	SEX: Male	DAY ON TEST: 307
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500133
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach	Epithelium	Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
		Hyperplasia	Minimal
		Mineralization	Mild
* Stomach, Glandular	Germinal Epith	Degeneration	Minimal
* Testes		Atrophy	Marked
* Thymus			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 30 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 1 - 14]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500134
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Squamous Cell Papilloma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 4 - 15]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked
		Inflammation	Moderate
[Hyperplasia TGLS = 2,3 - 9]			
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 487

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	

MISSING

Lymph Node	Ureter
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the pancreas and testes.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
		Pigmentation	Mild
[Cholangiocarcinoma TGLS = 1 - 15]			
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Marked
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 487 HISTO: 0500135
ORGAN AND ACCOUNTABLE SITE STATUS			
[Infiltration Cellular TGLS = 3 - 14]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Inflammation	Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 4 - 16]			
* Testes	Germinal Epith	Degeneration	Marked
	Germinal Epith	Mineralization	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver Cholangiocarcinoma		
CONTRIBUTORY CAUSE OF DEATH	- Lung Alveolus Infiltration Cellular		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500136
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Trachea	Urethra	* Urinary Bladder	
MISSING			
* Parathyroid Gland	Ureter		
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Minimal Mild Mild
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus Eosinophilic Focus Fatty Change Hematopoietic Cell Proliferation	 Diffuse, Moderate
	Hepatocyte	Hypertrophy Inflammation	Minimal Moderate
* Lung		Chronic Active, Minimal	
	Alveolus	Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
		Metaplasia	Bronchiolar, Moderate
[Cystic Keratinizing Epithelioma TGLS = 1,2,3 - 14+15+16]			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 136	TRT#: 5	SEX: Male	DAY ON TEST: 727
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500136
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Marked
[Hyperplasia TGLS = 4 - 9]			
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 653

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Eye	Retina	Degeneration	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Fatty Change	Focal, Mild
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Minimal
		Toxic Hepatopathy	Minimal
[Cholangiocarcinoma TGLS = 7 - 17]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 137	TRT#: 5	SEX: Male	DAY ON TEST: 653
	DOSE: 30 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500137
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5,6 - 3+4+14+15+16]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Moderate
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 258 HISTO: 0500138
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			
MISSING			
* Parathyroid Gland			
OBSERVATIONS			
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Degeneration	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 1 - 1]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 653 HISTO: 0500139
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	Oral Mucosa	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

Lymph Node	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Vacuolization Cytoplasmic Mineralization	Mild Moderate Minimal
Blood Vessel			
Note: Vascular mineralization involves the testes.			
* Bone Marrow		Atrophy	Mild
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Necrosis	Mild
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139		TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 653 HISTO: 0500139
ORGAN AND ACCOUNTABLE SITE STATUS				
[Hypertrophy TGLS = 1-14] [Mixed Cell Focus TGLS = 1 - 14]			Toxic Hepatopathy	Moderate
* Lung Lymph Node Note: Mediastinal Lymph Node is Missing.	Alveolus		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric			Pigmentation	Minimal
* Pancreas	Acinus		Vacuolization Cytoplasmic	Mild
* Spleen			Hematopoietic Cell Proliferation	Mild
			Pigmentation	Mild
* Stomach, Forestomach	Epithelium		Hyperplasia	Minimal
* Thymus			Atrophy	Marked
* Thyroid Gland	Follicular Cel		Hyperplasia	Marked
			Inflammation	Minimal
[Hyperplasia TGLS = 2 - 9]				
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy			
CONTRIBUTORY CAUSE OF DEATH	- Thyroid Gland Follicular Cel Hyperplasia			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 367

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* 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	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Testes
* Thyroid Gland	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone	Tendon	Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 2 - 4]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pancreas		Atrophy	Minimal
* Skin		Inflammation	Moderate
[Inflammation TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Glandular		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140	TRT#: 5	SEX: Male	DAY ON TEST: 367
	DOSE: 30 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500140
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	- Skin Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 141

TRT#: 5

DOSE: 30 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 574

HISTO: 0500141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the duodenum, heart, pancreas, testes, and thyroid gland.			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 2 - 5]			
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Marked
	Oval Cell	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
[Hyperplasia TGLS = 3 - 6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Squamous, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Pigmentation	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			

* PROTOCOL REQUIRED TISSUE

Species/Strain: Rat/HSD

CAS Number: 14047-09-7

Lab: BAT

ANIMAL ID: 141	TRT#: 5	SEX: Male	DAY ON TEST: 574
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500141
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Minimal
	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 5 - 14]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
		Inflammation	Moderate
[Adenoma TGLS = 4 - 9]			
[Hyperplasia TGLS = 4 - 9]			
PRIMARY CAUSE OF DEATH	- Liver Necrosis		
CONTRIBUTORY CAUSE OF DEATH	- Thyroid Gland Follicular Cel Hyperplasia		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500142
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves epididymides, heart, mesenteric arteries (all gut sections and B16), and testes.			
[Inflammation TGLS = 6 - 16]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 142	TRT#: 5	SEX: Male	DAY ON TEST: 727
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500142
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5 - 4+14+15]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 7 - 17]			
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 115

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	

MISSING

Lymph Node	Ureter
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
[Hypertrophy TGLS = 1 - 14]			
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 2 - 6]			
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 143	TRT#: 5	SEX: Male	DAY ON TEST: 115
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500143
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	- Liver Necrosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 281

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Mild
* Eye	Optic Nerve	Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Fatty Change	Diffuse, Moderate
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Minimal
[Fatty Change TGLS = 2 - 6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Prostate			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 144	TRT#: 5	SEX: Male	DAY ON TEST: 281
	DOSE: 30 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500144
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: No corresponding microscopic finding for TGL-3.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes			
Note: No corresponding lesion for TGL-1.			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Moderate
PRIMARY CAUSE OF DEATH	- Liver Hepatocyte Hypertrophy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 617

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Retina	Degeneration	Mild
	Cornea	Inflammation	Mild
[Inflammation TGLS = 1 - 10]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Atypical, Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 2 - 5]			
* Liver		Cholangiocarcinoma	
		Clear Cell Focus	
	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
		Necrosis	Minimal
[Cholangiocarcinoma TGLS = 4 - 14]			
* Lung		Cystic Keratinizing Epithelioma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 617 HISTO: 0500145
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 3 - 4]		Inflammation	Granulomatous, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa		Hyperplasia	Squamous, Moderate
* Pancreas		Atrophy	Minimal
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Marked
[Hyperplasia TGLS = 5 - 15]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	- Liver Cholangiocarcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 573 HISTO: 0500146
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Mammary Gland	* Nose	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Testes
Tooth	* Trachea	Urethra	* Urinary Bladder

MISSING

* Parathyroid Gland	Ureter
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OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Lymphoma Malignant	
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Lymphoma Malignant	
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Inflammation	Chronic Active, Minimal
		Lymphoma Malignant	
	Alveolar Epith	Metaplasia	Squamous, Marked
[Cystic Keratinizing Epithelioma TGLS = 1,2,3 - 3+4+14+15]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Lymphoma Malignant	
		Necrosis	Mild
* Lymph Node, Mesenteric		Lymphoma Malignant	
		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 146	TRT#: 5	SEX: Male	DAY ON TEST: 573
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500146
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas		Lymphoma Malignant	
* Prostate		Inflammation	Moderate
* Salivary Glands		Lymphoma Malignant	
Skeletal Muscle		Lymphoma Malignant	
Note: Lymphoma is in the panniculus muscle underlying the mammary gland (skin/mammary section).			
* Spleen		Lymphoma Malignant	
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Lymphoma Malignant	
[Hyperplasia TGLS = 4 - 16]			
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 554

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the heart and mesentery (B06).			
* Bone Marrow		Hyperplasia	Moderate
* Eye	Cornea	Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Marked
[Hyperplasia TGLS = 2 - 14]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Trichoepithelioma	
Note: Tumor is a pilomatrixoma, according to Gross, Ilhrke, and Walder. Diagnosed as trichoepithelioma since that is also of hair follicle histogenesis.			
[Trichoepithelioma TGLS = 1 - 15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 147	TRT#: 5	SEX: Male	DAY ON TEST: 554
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500147
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 3 - 16]			
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Oral Mucosa Gingival Hyperplasia		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 671

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves heart, mesenteric vessels (B06), pancreas, and testes.			
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Inflammation	Mild
* Kidney		Nephropathy	Mild
* Liver		Cholangioma	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Cholangioma TGLS = 1 - 16]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Squamous, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 671 HISTO: 0500148
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 2,3,4 - 3+4+14]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
[Hyperplasia TGLS = 5,6 - 15+17]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 149	TRT#: 5	SEX: Male	DAY ON TEST: 468
	DOSE: 30 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING			
Lymph Node			

OBSERVATIONS			
* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Dysplasia	Moderate
		Fibrosis	Moderate
		Inflammation	Moderate
		Necrosis	Marked
* Intestine Small, Jejunum			
[Necrosis TGLS = 5 - 15]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Moderate
	Centrilobular	Degeneration	Mild
		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Moderate
		Necrosis	Marked
		Toxic Hepatopathy	Mild
[Hypertrophy TGLS = 2 - 6+7]			
[Necrosis TGLS = 3 - 14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 149	TRT#: 5	SEX: Male	DAY ON TEST: 468
	DOSE: 30 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500149
ORGAN AND ACCOUNTABLE SITE STATUS			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Preputial Gland		Hyperplasia	Squamous, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Necrosis	Mild
[Hyperplasia TGLS = 7 - 17]			
[Necrosis TGLS = 6 - 16]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 474

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

Lymph Node	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Moderate
[Necrosis TGLS = 2 - 6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mesenteric		Pigmentation	Mild
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150	TRT#: 5 DOSE: 30 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 474 HISTO: 0500150
ORGAN AND ACCOUNTABLE SITE STATUS			
[Hyperplasia TGLS = 3 - 14]			
* Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	- Liver Necrosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151	TRT#: 7	SEX: Male	DAY ON TEST: 544
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation affects the heart, prostate, testes, and thymus.			
* Heart		Cardiomyopathy	Mild
Note: Myocardial degeneration was associated with bacterial emboli and minimal inflammation so was deemed to be terminal and not diagnosed.			
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 1-14]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pituitary Gland		Necrosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 2 - 15]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151	TRT#: 7	SEX: Male	DAY ON TEST: 544
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500151

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Adrenal Medulla Pheochromocytoma Benign
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 588

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Necrosis Vacuolization Cytoplasmic	Minimal Mild Mild
* Bone Marrow		Atrophy	Mild
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Degeneration Eosinophilic Focus Fatty Change	Mild Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy Inflammation	Marked Chronic Active, Minimal
	Bile Duct	Metaplasia	Minimal
	Hepatocyte	Multinucleated Toxic Hepatopathy	Minimal Minimal
Note: Bile duct metaplasia to pancreatic acinar morphology. [Eosinophilic Focus TGLS = 8-19] [Fatty Change TGLS = 1-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152	TRT#: 7	SEX: Male	DAY ON TEST: 588
	DOSE: 100 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500152

ORGAN AND ACCOUNTABLE SITE STATUS

[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7 - 14+15+16+17+18]

Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Atrophy	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 9 - 20]			
* Testes	Germinal Epith	Degeneration	Mild
	Germinal Epith	Mineralization	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland		Fibrosis	Mild
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Hypertrophy	Marked
		Inflammation	Moderate

PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 571

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Necrosis	Mild
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Moderate
Note: Inflammation involves the heart, mediastinum, epididymides, prostate, and testes.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Moderate
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5 - 14+15+16+17+18]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 6 - 19]			
* Testes	Germinal Epith	Degeneration	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 571 HISTO: 0500153
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy Inflammation	Moderate Mild
Note: Suppurative inflammation surrounds thymus in mediastinum.			
* Thyroid Gland	Follicular Cel	Hypertrophy Inflammation	Mild Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 585

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 6-9]			
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the prostate, mediastinal (thymic) vessels, and testes.			
[Inflammation TGLS = 1-11]			
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocholangiocarcinoma	Multiple
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Minimal
Note: These hepatocholangiocarcinomas have dilated sinusoids with plump endothelia suggesting an endothelial component to the tumors.			
[Hepatocholangiocarcinoma TGLS = 2,3,4 - 7+14+15]			
[Hyperplasia TGLS = 5 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Hepatocholangiocarcinoma	Metastatic (Liver)
	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 585 HISTO: 0500154
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
	Alveolar Epith	Metaplasia	Squamous, Marked
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 7,8,9,10 - 14+15+16+17]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Marked
		Necrosis	Moderate
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 650

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

MISSING

* Parathyroid Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic Hyperplasia	Moderate Mild Minimal Mild
* Bone Marrow			
* Eye			
Note: Optic nerves were missing from block and sections.			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization Nephropathy	Minimal Mild
[Nephropathy TGLS = 2 - 5]			
* Liver		Basophilic Focus Clear Cell Focus Degeneration Eosinophilic Focus Fatty Change Hematopoietic Cell Proliferation Hyperplasia Hypertrophy	Minimal Diffuse, Minimal Minimal Mild Minimal
	Centrilobular		
	Bile Duct Hepatocyte		
[Clear Cell Focus TGLS = 1 - 14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155		TRT#: 7		SEX: Male		DAY ON TEST: 650	
		DOSE: 100 MG/KG		DISP: Natural Death		HISTO: 0500155	
ORGAN AND ACCOUNTABLE SITE STATUS							
* Lung		Alveolus		Cystic Keratinizing Epithelioma		Histiocyte, Minimal	
Note: No corresponding lesion for nodule in left lung (TGL-5).				Infiltration Cellular			
[Cystic Keratinizing Epithelioma TGLS = 4 - 15]							
Lymph Node							
Note: Mediastinal Lymph Node is Normal.							
* Lymph Node, Mesenteric				Pigmentation		Minimal	
Oral Mucosa		Gingival		Squamous Cell Carcinoma			
* Pancreas		Acinus		Vacuolization Cytoplasmic		Minimal	
* Prostate				Inflammation		Minimal	
* Spleen				Hematopoietic Cell Proliferation		Mild	
				Pigmentation		Minimal	
* Stomach, Forestomach		Epithelium		Hyperplasia		Minimal	
* Testes		Germinal Epith		Degeneration		Minimal	
		Interstit Cell		Hyperplasia		Minimal	
* Thymus				Atrophy		Moderate	
* Thyroid Gland		Follicular Cel		Hypertrophy		Marked	
				Inflammation		Moderate	
[Hypertrophy TGLS = 3 - 9]							
[Inflammation TGLS = 3 - 9]							
PRIMARY CAUSE OF DEATH		- Thyroid Gland Follicular Cel Hypertrophy					

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 706

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Mild
		Necrosis	Moderate
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6 - 3+14+15+16+17]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 706 HISTO: 0500156
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 7 - 18]	Epithelium	Hyperplasia	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cell Follicular Cell	Adenoma Hypertrophy Inflammation	Moderate Mild
[Hypertrophy TGLS = 2-9]			
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 589 HISTO: 0500157
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Vacuolization Cytoplasmic Pheochromocytoma Benign Inflammation	Mild Minimal Minimal
* Adrenal Medulla Blood Vessel Note: Vascular inflammation involves the epididymides			
* Heart		Cardiomyopathy	Minimal
* Kidney [Nephropathy TGLS = 1-5]		Mineralization Nephropathy	Minimal Moderate
* Liver	Centrilobular	Degeneration Fatty Change Inflammation Necrosis Cystic Keratinizing Epithelioma Metaplasia	Minimal Diffuse, Mild Chronic Active, Minimal Mild Multiple Bronchiolar, Moderate
* Lung [Cystic Keratinizing Epithelioma TGLS = 2,3,4,5 - 3+4+14+15] Lymph Node Note: Mediastinal Lymph Node is Normal.	Alveolar Epith		
* Nose Oral Mucosa	Gingival	Inflammation Hyperplasia	Minimal Squamous, Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 589 HISTO: 0500157
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Atrophy	Mild
		Fibrosis	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 645

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Esophagus
* Intestine Large, Colon
* Intestine Small, Jejunum
* Mammary Gland
* Salivary Glands
* Thyroid Gland

* Bone
* Eye
* Intestine Large, Rectum
* Islets, Pancreatic
* Nose
* Skin
* Trachea

* Brain
* Harderian Gland
* Intestine Small, Duodenum
Lymph Node
* Parathyroid Gland
* Stomach, Glandular
Urethra

* Epididymis
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mandibular
* Pituitary Gland
* Testes
* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex

Hypertrophy
Vacuolization Cytoplasmic
Inflammation

Minimal
Minimal
Mild

Blood Vessel

Note: Vascular inflammation affects the adrenal gland, pancreas, and testes.

* Bone Marrow
Coagulating Gland

Hyperplasia
Inflammation
Metaplasia
Cardiomyopathy

Moderate
Marked
Squamous, Marked

* Heart

* Kidney

Pelvis

Inflammation
Mineralization
Nephropathy

Mild
Minimal
Moderate

[Nephropathy TGLS = 3-5]

* Liver

Cholangiocarcinoma
Cyst

Minimal

Bile Duct

Bile Duct

Oval Cell

Hepatocyte

Eosinophilic Focus
Hyperplasia
Hyperplasia
Hyperplasia
Hypertrophy
Lymphoma Malignant

Moderate
Mild
Nodular
Minimal

[Cholangiocarcinoma TGLS = 1-14]

* Lung

Cystic Keratinizing Epithelioma

Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 158	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 645 HISTO: 0500158
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Cystic Keratinizing Epithelioma TGLS = 4,5,6,7,8 - 3+4+15+16+17]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Atrophy	Mild
		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
	Gingival	Hyperplasia	Squamous, Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Preputial Gland		Squamous Cell Papilloma	
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Hyperplasia	Marked
		Inflammation	Marked
		Metaplasia	Squamous, Marked
		Transitional Epithelial Carcinoma	Multiple
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-5]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
Ureter	Transit Epithe	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 635

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves epididymides and testes.			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Diffuse, Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Marked
	Alveolar Epith	Metaplasia	Squamous, Minimal
		Pigmentation	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159		TRT#: 7	SEX: Male	DAY ON TEST: 635
		DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500159
ORGAN AND ACCOUNTABLE SITE STATUS				
* Lymph Node, Mandibular			Atrophy	Mild
* Lymph Node, Mesenteric			Atrophy	Mild
			Pigmentation	Mild
* Nose			Inflammation	Minimal
Oral Mucosa	Gingival		Hyperplasia	Cyskeratinizing, Minimal
	Gingival		Hyperplasia	Squamous, Minimal
* Pancreas			Atrophy	Mild
* Prostate	Epithelium		Hyperplasia	Mild
* Skin			Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-15]				
* Spleen			Hematopoietic Cell Proliferation	Minimal
			Pigmentation	Mild
* Stomach, Forestomach	Epithelium		Hyperplasia	Moderate
[Hyperplasia TGLS = 5,6 - 14+16]				
* Testes	Germinal Epith		Degeneration	Minimal
* Thymus			Atrophy	Marked
* Thyroid Gland	Follicular Cel		Adenoma	
	Follicular Cel		Hyperplasia	Marked
[Hyperplasia TGLS = 4-9]				
PRIMARY CAUSE OF DEATH	- Liver Centrilobular Degeneration			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 650

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla

* Bone

* Brain

* Epididymis

* Esophagus

* Eye

* Harderian Gland

* Intestine Large, Rectum

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

* Islets, Pancreatic

* Lymph Node, Mesenteric

* Mammary Gland

* Nose

* Parathyroid Gland

* Pituitary Gland

* Salivary Glands

* Skin

* Stomach, Glandular

* Testes

* Trachea

* Urinary Bladder

MISSING

Lymph Node

* Thymus

OBSERVATIONS

* Adrenal Cortex

Adenoma

Hypertrophy

Minimal

Necrosis

Minimal

Blood Vessel

Inflammation

Mild

Note: Vascular inflammation involves the cecum and pancreas.

* Bone Marrow

Hyperplasia

Marked

Coagulating Gland

Inflammation

Marked

* Heart

Cardiomyopathy

Minimal

Thrombosis

Mild

* Intestine Large, Cecum

Necrosis

Moderate

* Intestine Large, Colon

Inflammation

Moderate

Thrombosis

Mild

* Kidney

Transit Epithe

Carcinoma

Pelvis

Dilatation

Mild

Nephropathy

Moderate

[Carcinoma TGLS = 1 - 14]

* Liver

Basophilic Focus

Eosinophilic Focus

Bile Duct

Hyperplasia

Mild

Hyperplasia

Nodular

Hepatocyte

Hypertrophy

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 650 HISTO: 0500160
ORGAN AND ACCOUNTABLE SITE STATUS			
[Eosinophilic Focus TGLS = 3 - 15]			
* Lung		Cystic Keratinizing Epithelioma Inflammation Metaplasia Metaplasia Pigmentation Transitional Epithelial Carcinoma	Multiple Granulomatous, Mild Bronchiolar, Mild Squamous, Marked Minimal Metastatic (Kidney)
[Cystic Keratinizing Epithelioma TGLS = 2 - 3+4]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mandibular		Atrophy	Mild
Mesentery		Transitional Epithelial Carcinoma	Metastatic (Kidney)
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Moderate
* Pancreas		Transitional Epithelial Carcinoma	Metastatic (Kidney)
* Preputial Gland		Hyperplasia	Squamous, Minimal
* Prostate		Inflammation	Marked
[Inflammation TGLS = 4 - 13+16]			
* Seminal Vesicle		Inflammation	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 5 - 17]			
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Mild
Ureter	Transit Epithe	Hyperplasia	Mild
Urethra	Transit Epithe	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Kidney Transit Epithe Carcinoma		
CONTRIBUTORY CAUSE OF DEATH	- Prostate Inflammation		
Animal Note: Transitional cell carinoma "metastases" from kidney to mesentery and pancreas were invasion directly from the kidney.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 529 HISTO: 0500161
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adren Cortex			
Note: One adrenal gland, grossly small, was missing from block and wet tissues.			
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the epididymides.			
* Eye	Antr Chamber	Inflammation	Moderate
	Cornea	Inflammation	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
	Centrilobular	Fatty Change	Moderate
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
[Cholangiocarcinoma TGLS = 1-14]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Marked
	Gingival	Squamous Cell Carcinoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 529 HISTO: 0500161
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 3 - 15]	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	- Liver Cholangiocarcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 162	TRT#: 7	SEX: Male	DAY ON TEST: 586
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Trachea	Ureter	Urethra
* Urinary Bladder			

MISSING			
Lymph Node			

OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Moderate
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Cystic Keratinizing Epithelioma TGLS = 2,3,4 - 4+14+15]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-16]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Spleen	Lymph Follic	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 162	TRT#: 7	SEX: Male	DAY ON TEST: 586
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500162
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach [Hyperplasia TGLS = 5 - 17]	Epithelium	Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
		Hyperplasia	Moderate
* Thymus	C Cell	Atrophy	Marked
* Thyroid Gland		Adenoma	
Tooth		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 588 HISTO: 0500163
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Necrosis	Moderate
		Vacuolization Cytoplasmic	Mild
[Degeneration TGLS = 5-9]			
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Moderate
		Mineralization	Moderate
Note: Vascular inflammation involves fat adjacent to aorta, epididymides, heart, kidney, mesentery (B06), testes, and thymus.			
Note: Vascular mineralization affects vessels adjacent to aorta, epididymides, mesenteric vessels (B06), and testes.			
[Inflammation TGLS = 11 - 7]			
* Bone Marrow		Necrosis	Minimal
* Brain		Necrosis	Mild
[Necrosis TGLS = 14-17]			
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 7-7]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Cholangiocarcinoma	Multiple
	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163	TRT#: 7	SEX: Male	DAY ON TEST: 588
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500163
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cholangiocarcinoma TGLS = 3,4 - 14+15]		Toxic Hepatopathy	Minimal
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma	
	Alveolus	Hyperplasia	Mild
	Alveolar Epith	Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
		Metaplasia	Squamous, Minimal
[Cystic Keratinizing Epithelioma TGLS = 8,9,10 - 4+16]			
Lymph Node	Deep Cervical	Atrophy	Marked
	Deep Cervical	Ectasia	Mild
		Lymphoma Malignant	
Note: Axillary lymph node has lymphoma.			
Note: Mediastinal Lymph Node is Normal.			
[Ectasia TGLS = 12-17]			
[Lymphoma Malignant TGLS = 6-16]			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
	Gingival	Squamous Cell Carcinoma	
* Parathyroid Gland		Hyperplasia	Mild
* Salivary Glands		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 15 - 18]			
* Testes	Germinal Epith	Degeneration	Marked
[Degeneration TGLS = 1-11]			
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Liver Cholangiocarcinoma		
CONTRIBUTORY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 603 HISTO: 0500164
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder

MISSING

Coagulating Gland	Lymph Node
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OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Marked
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves adrenal cortex, duodenual/mesenteric arteries, pancreas, heart, liver, epididymides, seminal vesicles, prostate, and testes.			
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Cyst	Marked
	Pelvis, Transit Epithe	Hyperplasia	Marked
	Pelvis	Inflammation	Mild
		Nephropathy	Mild
[Cyst TGLS = 3-18]			
* Liver		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Necrosis	Mild
[Necrosis TGLS = 4 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Squamous, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164	TRT#: 7	SEX: Male	DAY ON TEST: 603
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500164

ORGAN AND ACCOUNTABLE SITE STATUS

[Cystic Keratinizing Epithelioma TGLS = 5 - 3+4+15+16]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas		Inflammation	Marked
* Prostate		Carcinoma	
		Inflammation	Mild
[Carcinoma TGLS = 2,6-13+17+19]			
* Seminal Vesicle		Inflammation	Mild
		Metaplasia	Squamous, Moderate
* Skin		Ulcer	Marked
[Ulcer TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
Ureter	Transit Epithe	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Prostate Carcinoma		
CONTRIBUTORY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 484

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Minimal
		Necrosis	Mild
[Necrosis TGLS = 1 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 6,7 - 4]			
Lymph Node	Mediastinal	Hemorrhage	Minimal
[Hemorrhage TGLS = 4-14]			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Moderate
	Gingival	Hyperplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 484 HISTO: 0500165
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 8 - 15]	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 192 HISTO: 0500166
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder			

MISSING

* Preputial Gland	Ureter
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Necrosis	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the lungs.			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Nodular
[Hyperplasia TGLS = 1 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	Alveolar Epith	Metaplasia	Squamous, Marked
[Cystic Keratinizing Epithelioma TGLS = 3-14]			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 166	TRT#: 7	SEX: Male	DAY ON TEST: 192
	DOSE: 100 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500166
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland		Necrosis	Moderate
[Necrosis TGLS = 2-9]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Pituitary Gland Necrosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* 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	* Stomach, Glandular
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 1-9]			
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the heart and testes.			
* Eye	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Cortex	Cyst	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Clear Cell Focus	
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	
		Fatty Change	Focal, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500167
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cholangiocarcinoma TGLS = 2-14] [Cyst TGLS = 3-15] * Lung Alveolar Epith Alveolus Alveolar Epith [Cystic Keratinizing Epithelioma TGLS = 5,6,7,8,9 - 3+4+16+17] Lymph Node Note: Mediastinal Lymph Node is Missing. Oral Mucosa * Pancreas * Preputial Gland * Spleen * Stomach, Forestomach [Hyperplasia TGLS = 10 - 18] * Testes * Thymus * Thyroid Gland Tooth		Necrosis	Minimal
		Pigmentation	Minimal
		Cystic Keratinizing Epithelioma	Multiple
		Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Mild
		Metaplasia	Bronchiolar, Minimal
	Gingival	Hyperplasia	Cyskeratnizing, Mild
	Gingival	Hyperplasia	Squamous, Mild
	Acinus	Atrophy	Mild
		Vacuolization Cytoplasmic	Minimal
		Hyperplasia	Squamous, Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
		Hyperplasia	Mild
	Germinal Epith	Degeneration	Marked
		Atrophy	Moderate
	Follicular Cel	Hypertrophy	Mild
	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 174

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Mineralization	Minimal
	Nephropathy	Minimal
	Hematopoietic Cell Proliferation	Minimal
* Liver		
Lymph Node		
Note: Mediastinal Lymph Node is Normal.		
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 387

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Minimal
		Hyperplasia	Moderate
* Bone Marrow		Atrophy	Mild
* Harderian Gland		Cardiomyopathy	Minimal
* Heart		Inflammation	Mild
		Mineralization	Minimal
* Kidney		Nephropathy	Mild
		Fatty Change	Diffuse, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node	Mediastinal	Thymoma Malignant	Metastatic (Thymus)
[Thymoma Malignant TGLS = 3-14]			
* Lymph Node, Mandibular		Pigmentation	Mild
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Skin		Cyst Epithelial Inclusion	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 169	TRT#: 7	SEX: Male	DAY ON TEST: 387
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500169
ORGAN AND ACCOUNTABLE SITE STATUS			
[Hyperplasia TGLS = 4 - 15]			
* Thymus		Thymoma Malignant	
[Thymoma Malignant TGLS = 2-3]			
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Thymus Thymoma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 648

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involved the heart, prostate, seminal vesicles, and testes.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5,6 - 4+14+15+16]			
Lymph Node	Mediastinal	Atrophy	Marked
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 170	TRT#: 7	SEX: Male	DAY ON TEST: 648
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500170
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland	Gingival	Squamous Cell Carcinoma	
* Spleen	Pars Distalis	Hyperplasia	Minimal
	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 613

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Mineralization	Minimal
Note: Vascular mineralization affects great vessels.			
* Brain		Hemorrhage	Mild
* Heart		Cardiomyopathy	Minimal
		Mineralization	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Toxic Hepatopathy	Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 2-14]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 613 HISTO: 0500171
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mesenteric		Atrophy	Marked
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Prostate		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Moderate
[Hyperplasia TGLS = 1-9]			
PRIMARY CAUSE OF DEATH	- Liver Fatty Change		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 443

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	Coagulating Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Marked
		Mineralization	Minimal
Note: Vascular mineralization affects great vessels.			
Note: Vascular inflammation involves epididymides, heart, kidney, mediastinum (B03), rectum, subcutis (B01), testes, and vas deferens (in B13F prostate section).			
* Bone		Hyperostosis	Moderate
	Tendon	Inflammation	Moderate
[Hyperostosis TGLS = 1-17]			
[Inflammation TGLS = 1-17]			
* Epididymis		Granuloma Sperm	Marked
[Granuloma Sperm TGLS = 2-14]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Minimal
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Granulomatous, Minimal
		Inflammation	Chronic Active, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 172	TRT#: 7	SEX: Male	DAY ON TEST: 443
	DOSE: 100 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500172
ORGAN AND ACCOUNTABLE SITE STATUS			
Lymph Node	Mediastinal	Pigmentation	Minimal
[Hyperplasia TGLS = 4-16]		Hyperplasia	Lymphoid, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Salivary Glands		Schwannoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 5 - 18]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Marked
[Hyperplasia TGLS = 3-15]			
[Inflammation TGLS = 3-15]			
PRIMARY CAUSE OF DEATH	- Salivary Glands Schwannoma Malignant		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 173	TRT#: 7	SEX: Male	DAY ON TEST: 514
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	Ureter	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation affects epididymides, heart, kidney, mediastinum (B03), mesenteric vessels (B14), prostate, rectum, and testes.			
[Inflammation TGLS = 6-14]			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Cyst	Minimal
		Eosinophilic Focus	
		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
		Necrosis	Minimal
		Toxic Hepatopathy	Minimal
[Hyperplasia TGLS = 3-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 4,5 - 3+4]			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173		TRT#: 7	SEX: Male	DAY ON TEST: 514
		DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500173
ORGAN AND ACCOUNTABLE SITE STATUS				
Note: Mediastinal Lymph Node is Normal.				
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal	
* Pancreas		Atrophy	Minimal	
* Prostate		Inflammation	Minimal	
* Spleen		Hematopoietic Cell Proliferation	Moderate	
[Hematopoietic Cell Proliferation TGLS = 1-5]				
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal	
* Testes	Germinal Epith	Degeneration	Mild	
* Thymus		Atrophy	Marked	
Tissue NOS	Mediastinum	Schwannoma Malignant		
Tooth	Peridont Tiss	Inflammation	Minimal	
Urethra	Transit Epithe	Hyperplasia	Mild	
Note: Hyperplastic appearance may be function of cut (tangential).				
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma			
CONTRIBUTORY CAUSE OF DEATH	- Blood Vessel Inflammation			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 667

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	Ureter
Urethra	* Urinary Bladder		

OBSERVATIONS

Blood Vessel		Inflammation	Mild
Note: Vascular inflammation affects forestomach and testes.			
* Heart		Cardiomyopathy	Mild
		Necrosis	Moderate
		Thrombosis	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Centrilobular	Degeneration	Minimal
		Fatty Change	Focal, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Pigmentation	Mild
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 2,3,4,5,6,7 - 3+4+14+15+16]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 667 HISTO: 0500174
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Prostate		Inflammation	Mild
* Salivary Glands		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 8 - 17]	Epithelium	Hyperplasia	Moderate
* Testes [Degeneration TGLS = 1-11]	Germinal Epith	Degeneration	Moderate
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Heart Thrombosis		
CONTRIBUTORY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 608

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Blood Vessel		Inflammation	Moderate
Note: Inflammation involves duodenal and pancreatic vessels and is responsible for duodenal infarction and dilation.			
Note: TGL 5 is inflammation of mesenteric artery (B06).			
[Inflammation TGLS = 5-6]			
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Fibrosis	Marked
		Necrosis	Marked
[Fibrosis TGLS = 6-14]			
[Necrosis TGLS = 13-18]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Marked
		Inflammation	Chronic Active, Mild
[Hyperplasia TGLS = 4 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
	Alveolar Epith	Metaplasia	Bronchiolar, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 608 HISTO: 0500175
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 8,9,10,11,12,14,15 - 3+4+16+17]		Pigmentation	Minimal
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 7-15]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Pancreas		Atrophy	Mild
		Inflammation	Moderate
[Inflammation TGLS = 3-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Minimal
[Inflammation TGLS = 1-12]			
* Seminal Vesicle		Metaplasia	Squamous, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Blood Vessel Inflammation		
CONTRIBUTORY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 701

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Hyperplasia Inflammation	Mild Minimal Moderate Moderate
* Adrenal Medulla			
Blood Vessel			
Note: Vascular inflammation affects heart, mediastinum (B03), prostate, and testes.			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization Nephropathy	Minimal Mild
* Liver	Bile Duct	Cyst Eosinophilic Focus Hematopoietic Cell Proliferation	Mild Mild Chronic Active, Marked
	Bile Duct	Hyperplasia Inflammation Necrosis	Minimal
[Cyst TGLS = 1-15]			
* Lung		Cystic Keratinizing Epithelioma Inflammation Metaplasia	Multiple Granulomatous, Minimal Bronchiolar, Mild
	Alveolar Epith		
[Cystic Keratinizing Epithelioma TGLS = 2 - 3+4+14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176		TRT#: 7	SEX: Male	DAY ON TEST: 701
		DOSE: 100 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500176
ORGAN AND ACCOUNTABLE SITE STATUS				
Lymph Node				
Note: Mediastinal Lymph Node is Normal.				
* Lymph Node, Mesenteric			Atrophy	Mild
			Inflammation	Granulomatous, Mild
			Pigmentation	Minimal
Oral Mucosa		Gingival	Hyperplasia	Squamous, Mild
* Pancreas			Atrophy	Marked
* Pituitary Gland		Pars Distalis	Hyperplasia	Moderate
* Preputial Gland			Hyperplasia	Squamous, Mild
* Prostate			Inflammation	Minimal
* Spleen			Hematopoietic Cell Proliferation	Minimal
			Pigmentation	Minimal
* Stomach, Forestomach		Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 3 - 16]				
* Thymus			Atrophy	Mild
* Thyroid Gland		C Cell	Adenoma	
		Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH		- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 503

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
		Necrosis	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the prostate.			
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Deep Cervical	Lymphoma Malignant	
Note: Tumor resembles a neoplasm of supporting structures of the lymph node.			
Note: Mediastinal Lymph Node is Normal.			
[Lymphoma Malignant TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Testes	Germinal Epith	Degeneration	Marked
		Necrosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 177	TRT#: 7	SEX: Male	DAY ON TEST: 503
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500177
ORGAN AND ACCOUNTABLE SITE STATUS			
[Necrosis TGLS = 3-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Lymph Node Deep Cervical Lymphoma Malignant		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 178	TRT#: 7	SEX: Male	DAY ON TEST: 499
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING			
* Parathyroid Gland			

OBSERVATIONS			
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the epididymides, mediastinum (B03), prostate, and testes.			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
	Alveolar Epith	Metaplasia	Squamous, Moderate
[Cystic Keratinizing Epithelioma TGLS = 1,2,3 - 14+15]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 178	TRT#: 7	SEX: Male	DAY ON TEST: 499
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500178
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 4 - 16]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Pancreas Inflammation		
CONTRIBUTORY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 539

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Moderate
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Marked
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation affects heart and testes.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGSL = 1-5]			
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Minimal
		Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
Lymph Node			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 179	TRT#: 7	SEX: Male	DAY ON TEST: 539
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500179
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 4 - 14]			
* Testes	Germinal Epith	Degeneration	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Marked
		Inflammation	Moderate
[Hypertrophy TGLS = 3-9]			
PRIMARY CAUSE OF DEATH	- Thyroid Gland Follicular Cel Hypertrophy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 567

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Marked
* Bone Marrow		Atrophy	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Moderate
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Toxic Hepatopathy	Mild
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 5-16]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Atrophy	Marked
* Nose		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 567 HISTO: 0500180
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Cyst Epithelial Inclusion Inflammation	Moderate
[Cyst Epithelial Inclusion TGLS = 1-14]			
[Inflammation TGLS = 1-14]			
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal Mild
[Atrophy TGLS = 3-5]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia Inflammation	Moderate Mild
Tissue NOS	Mediastinum	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 4-15]			
PRIMARY CAUSE OF DEATH	- Tissue NOS Mediastinum Schwannoma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 433

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
		Thrombosis	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 1-14]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 433 HISTO: 0500181
ORGAN AND ACCOUNTABLE SITE STATUS			
[Hyperplasia TGLS = 2 - 15]			
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 560 HISTO: 0500182
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Coagulating Gland		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
	Centrilobular	Degeneration	Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
[Cholangiocarcinoma TGLS = 8-19]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
	Alveolar Epith	Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7 - 14+15+16+17+18]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pituitary Gland		Hemorrhage	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 182	TRT#: 7	SEX: Male	DAY ON TEST: 560
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500182
ORGAN AND ACCOUNTABLE SITE STATUS			
[Hemorrhage TGLS = 2-9]			
* Prostate		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Necrosis	Mild
[Hyperplasia TGLS = 9 - 20]			
[Necrosis TGLS = 10 - 21]			
* Testes			
Note: No corresponding lesion for the testis discoloration (TGL-1).			
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 398

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	Lymph Node	* Lymph Node, Mandibular
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
Tissue NOS	Mediastinum	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

- Tissue NOS Mediastinum Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 500

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Degeneration Hyperplasia Hypertrophy Hyperplasia Cardiomyopathy Nephropathy	Mild Moderate Moderate Marked Minimal Moderate
* Adrenal Medulla		Degeneration Eosinophilic Focus Fatty Change Hematopoietic Cell Proliferation Inflammation	Mild Diffuse, Mild Minimal Chronic Active, Minimal
* Heart		Cystic Keratinizing Epithelioma Metaplasia Metaplasia Pigmentation	Minimal Bronchiolar, Minimal Squamous, Moderate Minimal
* Kidney	Centrilobular		
* Liver			
	Alveolar Epith		
	Alveolar Epith		
[Cystic Keratinizing Epithelioma TGLS = 3-15]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Mesentery			
Note: Mediastinal Lymph Node is Normal.			
* Skin		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 500 HISTO: 0500184
ORGAN AND ACCOUNTABLE SITE STATUS			
[Inflammation TGLS = 1,2 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Skin Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 225

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Brain		Necrosis	Marked
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-14]			
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH

- Brain Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 524

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Esophagus	* Eye	* Harderian Gland	* 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	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	Ureter
Urethra	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves the epididymides, pancreas, rectum, testes, urinary bladder, and vas deferens (B13).			
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Granuloma Sperm	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
		Inflammation	Granulomatous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
	Gingival	Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 524 HISTO: 0500186
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Cyst	Moderate
	Epithelium	Hyperplasia	Moderate
[Cyst TGLS = 3-14]			
* Testes	Germinal Epith	Degeneration	Marked
		Inflammation	Moderate
[Inflammation TGLS = 2-11]			
* Thymus		Atrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
	Zona Fascult	Hyperplasia	Moderate
		Hypertrophy	Mild
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation affects the mediastinum (B03), pancreas, and testes.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
	Centrilobular	Degeneration	Minimal
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Toxic Hepatopathy	Minimal
[Cholangiocarcinoma TGLS = 2-15]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 187	TRT#: 7	SEX: Male	DAY ON TEST: 643
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500187
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 3,4,5 - 3+16+17+18]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 6 - 19]			
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		
Animal Note: TGL 1 = NCL (No Corresponding Lesion)			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 365

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
Oral Mucosa	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Ureter	Urethra	* Urinary Bladder

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
		Cardiomyopathy	Minimal
* Heart			
[Cardiomyopathy TGLS = 2-14]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 365 HISTO: 0500188
ORGAN AND ACCOUNTABLE SITE STATUS			
* Nose		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Testes		Necrosis	Minimal
PRIMARY CAUSE OF DEATH	- Liver Centrilobular Degeneration		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 476

DOSE: 100 MG/KG

DISP: Dosing Accident

HISTO: 0500189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Necrosis Vacuolization Cytoplasmic	Minimal Moderate Mild
* Heart		Necrosis	Minimal
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Hepatocyte	Fatty Change Hypertrophy Necrosis Pigmentation	Diffuse, Mild Moderate Mild Minimal
* Lung	Alveolus	Toxic Hepatopathy	Minimal
	Alveolar Epith	Infiltration Cellular Metaplasia	Histiocyte, Marked Bronchiolar, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 189	TRT#: 7	SEX: Male	DAY ON TEST: 476
	DOSE: 100 MG/KG	DISP: Dosing Accident	HISTO: 0500189
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Testes	Germinal Epith	Degeneration	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked
		Inflammation	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 190	TRT#: 7	SEX: Male	DAY ON TEST: 657
	DOSE: 100 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Ureter	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the epididymides, heart, lungs, prostate, testes, and thymus.			
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Mild
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Bronchiolar, Marked
	Alveolar Epith	Metaplasia	Squamous, Moderate
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5 - 3+4+14+15+16]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas		Atrophy	Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 190	TRT#: 7	SEX: Male	DAY ON TEST: 657
	DOSE: 100 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500190
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Germinal Epith	Degeneration	Moderate
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 274

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Minimal
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Marked
		Necrosis	Minimal
[Fatty Change TGLS = 2 - 6+7]			
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Pigmentation	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 191	TRT#: 7	SEX: Male	DAY ON TEST: 274
	DOSE: 100 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500191
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Glandular		Mineralization	Mild
* Testes	Germinal Epith	Mineralization	Minimal
[Mineralization TGLS = 3-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Moderate
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 623 HISTO: 0500192
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation affects the epididymides, heart, pancreas, and testes.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 1 - 3+4+14]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 623 HISTO: 0500192
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratinizing, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 2 - 15]	Epithelium	Hyperplasia	Mild
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 613

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation affects the heart.			
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4,5 - 3+4+14+15]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 193	TRT#: 7	SEX: Male	DAY ON TEST: 613
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500193
ORGAN AND ACCOUNTABLE SITE STATUS			
	Gingival	Hyperplasia	Cyskeratnizing, Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 6 - 16]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 503

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation affects liver and testes.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
		Necrosis	Moderate
		Pigmentation	Minimal
[Necrosis TGLS = 1,2,3 - 14+15+16]			
* Lung	Alveolus	Cystic Keratinizing Epithelioma	
	Alveolar Epith	Infiltration Cellular	Histiocyte, Mild
		Metaplasia	Bronchiolar, Mild
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 503 HISTO: 0500194
ORGAN AND ACCOUNTABLE SITE STATUS			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Moderate Minimal
[Hyperplasia TGLS = 5 - 17]			
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	- Liver Necrosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 668

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic Inflammation	Moderate Mild Minimal Marked
Blood Vessel			
Note: Vascular inflammation affects the duodenum, epididymides, pancreas, testes, and thymus.			
* Bone Marrow		Hyperplasia	Minimal
* Eye	Cornea	Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration Eosinophilic Focus Fatty Change Hematopoietic Cell Proliferation	Minimal Diffuse, Minimal Minimal
	Bile Duct	Hyperplasia Inflammation Pigmentation	Minimal Chronic Active, Minimal Minimal
Note: TGL-1 mass had no corresponding microscopic lesion.			
* Lung		Cystic Keratinizing Epithelioma	Multiple
[Cystic Keratinizing Epithelioma TGLS = 2,3,4 - 15+16+17]			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195	TRT#: 7	SEX: Male	DAY ON TEST: 668
	DOSE: 100 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500195

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Mediastinal Lymph Node is Normal.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 553

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Testes	* Thyroid Gland
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
		Vacuolization Cytoplasmic	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	Alveolar Epith	Metaplasia	Squamous, Marked
		Pigmentation	Minimal
* Lym Node Mand			
Note: No corresponding microscopic lesion for TGL-1, mandibular lymph node discoloration.			
Lymph Node			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196		TRT#: 7	SEX: Male	DAY ON TEST: 553
		DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500196
ORGAN AND ACCOUNTABLE SITE STATUS				
Note: Mediastinal Lymph Node is Normal.				
* Lymph Node, Mesenteric			Pigmentation	Mild
* Nose			Inflammation	Minimal
Oral Mucosa	Gingival		Hyperplasia	Squamous, Minimal
* Pancreas	Acinus		Vacuolization Cytoplasmic	Minimal
* Prostate			Inflammation	Minimal
* Skin			Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 2-14]				
* Spleen	Lymph Follic		Atrophy	Moderate
			Pigmentation	Minimal
* Stomach, Forestomach	Epithelium		Hyperplasia	Marked
[Hyperplasia TGLS = 3 - 15]				
* Thymus			Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 716

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

MISSING

Lymph Node

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves cardiac, mesenteric, pancreatoco-duodenal, rectal, and testicular arteries.			
[Inflammation TGLS = 2-14]			
* Brain		Necrosis	Mild
Coagulating Gland		Inflammation	Moderate
* Eye	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 716 HISTO: 0500197
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 1 - 15]			
Lymph Node			
Note: Mediastinal Lymph Node is Missing.			
* Nose		Inflammation	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Atrophy	Moderate
* Preputial Gland		Hyperplasia	Squamous, Mild
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
		Inflammation	Moderate
[Hyperplasia TGLS = 3 - 9]			
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 281

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
Tooth	* Trachea	Ureter	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Hepatocyte	Fatty Change	Diffuse, Mild
		Hypertrophy	Marked
[Fatty Change TGLS = 2 - 6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Pigmentation	Minimal
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Mineralization	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198	TRT#: 7	SEX: Male	DAY ON TEST: 281
	DOSE: 100 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500198
ORGAN AND ACCOUNTABLE SITE STATUS			
		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Liver Centrilobular Degeneration		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Nose	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	Tooth	* Trachea	Ureter
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Mild
[Cystic Keratinizing Epithelioma TGLS = 1 - 14]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Inflammation	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 199	TRT#: 7	SEX: Male	DAY ON TEST: 727
	DOSE: 100 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500199
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Moderate
	Germinal Epith	Mineralization	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Mild
[Hyperplasia TGLS = 2 - 9]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:45:59

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 634

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Trachea	Ureter	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Retina	Atrophy	Moderate
* Heart		Cardiomyopathy	Mild
		Thrombosis	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
	Alveolar Epith	Metaplasia	Squamous, Mild
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 2 - 3+4+14+15]			
Lymph Node			
Note: Mediastinal Lymph Node is Normal.			
* Lymph Node, Mesenteric		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200	TRT#: 7 DOSE: 100 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 634 HISTO: 0500200
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Moderate
* Pancreas		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 3 - 16]	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
		Inflammation	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 201	TRT#: 2	SEX: Female	DAY ON TEST: 232
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 0500201
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder	* Uterus		
OBSERVATIONS			
Blood Vessel		Inflammation	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Casts	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 540

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 3-12]			
* Heart	Endocardium	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Galactoceles	Mild
[Fibroadenoma TGLS = 1-14]			
[Galactoceles TGLS = 2-15]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:45:59
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500203
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
Tooth	* Trachea	Urethra	* Urinary Bladder
* Uterus			
MISSING			
* Parathyroid Gland			
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Carcinoma	Metastatic (Pancreas)
	Centrilobular	Degeneration	Mild
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Necrosis	Marked
		Thrombosis	Marked
[Carcinoma TGLS = 5 - 19]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 15+18]			
Mesentery		Carcinoma	Metastatic (Pancreas)
[Carcinoma TGLS = 8 - 16]			
* Ovary		Carcinoma	Metastatic (Pancreas)
[Carcinoma TGLS = 3 - 14]			
* Pancreas	Duct	Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 204	TRT#: 2	SEX: Female	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500204
ORGAN AND ACCOUNTABLE SITE STATUS			
[Carcinoma TGLS = 7 - 17]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Carcinoma	Metastatic (Pancreas)
		Hematopoietic Cell Proliferation	Minimal
[Carcinoma TGLS = 4 - 17]			
* Stomach, Glandular		Carcinoma	Metastatic (Pancreas)
[Carcinoma TGLS = 6 - 20]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 674 HISTO: 0500205
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	Urethra
* Urinary Bladder	* Uterus		
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Mild
Blood Vessel		Mineralization	Minimal
* Bone Marrow		Hyperplasia	Marked
* Kidney	Renal Tubule	Hyperplasia	Atypical, Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Adenoma	
		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2 - 14+15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500206
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* 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	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1 - 9]			
* Uterus	Endometrium	Hyperplasia	Cystic
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Mild
		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus	Endometrium	Hyperplasia	Cystic
	Endometrium	Metaplasia	Squamous, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500208
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Cartilagenous, Minimal
[Infiltration Cellular TGLS = 2 - 14]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic
	Endometrium	Metaplasia	Squamous, Mild
	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 1 - 14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208	TRT#: 2	SEX: Female	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500208
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 406

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0500209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
Skeletal Muscle		Rhabdomyosarcoma	
[Rhabdomyosarcoma TGLS = 1 - 14]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic
	Endometrium	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

- Skeletal Muscle Rhabdomyosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4 - 16]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1 - 14]			
Oviduct		Fibrosis	Marked
		Inflammation	Marked
		Metaplasia	Squamous, Moderate
[Inflammation TGLS = 3 - 15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 5 - 5]			
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500210
ORGAN AND ACCOUNTABLE SITE STATUS			
	Endometrium	Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500211
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	Tooth	* Trachea	Urethra
* Urinary Bladder			
MISSING			
* Parathyroid Gland			
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2 - 3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 20]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 3 - 9]			
* Uterus	Endometrium	Hyperplasia	Cystic
	Endometrium	Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500212
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder	* Uterus		
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Marked
		Hypertrophy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Cyst	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
Note: Hepatocellular adenoma in B15 is also present in B07. [Hepatocellular Adenoma TGLS = 2 - 15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3 - 3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212	TRT#: 2	SEX: Female	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500212
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500213
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Degeneration Hyperplasia Hypertrophy Pheochromocytoma Benign	Mild Minimal Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Lipoma	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus Hematopoietic Cell Proliferation Inflammation Pigmentation	Minimal Chronic Active, Minimal Minimal
* Lymph Node, Mesenteric		Adenoma	
* Pituitary Gland [Adenoma TGLS = 1 - 9]	Pars Distalis		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 2

SEX: Female

DAY ON TEST: 614

DOSE: 0 MG/KG

DISP: Dosing Accident

HISTO: 0500214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Necrosis	Mild
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Congestion	Moderate

Note: In this animal there is flocculent eosinophilic foreign material at the bronchiolo-alveolar junctions.

[Congestion TGLS = 2 - 3+4]

* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic
	Endometrium	Metaplasia	Squamous, Minimal

[Hyperplasia TGLS = 1 - 11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 587 HISTO: 0500215
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	Tooth	* Trachea	Urethra
* Urinary Bladder	* Uterus		
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Degeneration	Minimal
		Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 660 HISTO: 0500216
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	* Uterus
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Moderate
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 1 - 5]			
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3 - 3+4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2 - 9]			
Spinal Cord			
Note: There is mild vacuolization of dorsal rootlets (probably insufficient to account for impaired gait).			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216	TRT#: 2	SEX: Female	DAY ON TEST: 660
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500216
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 2

SEX: Female

DAY ON TEST: 548

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1 - 12]			
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5 - 3+4]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 3 - 16]			
[Fibroadenoma TGLS = 2,4 - 14+15]			
* Ovary		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500218
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Minimal
[Infiltration Cellular TGLS = 3 - 3+4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Ovary		Cyst	Mild
[Cyst TGLS = 5 - 11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4 - 9]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 218	TRT#: 2	SEX: Female	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500218
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic
		Inflammation	Moderate
	Endometrium	Metaplasia	Squamous, Moderate
		Polyp Stromal	
[Inflammation TGLS = 2 - 15]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 696 HISTO: 0500219
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
* Uterus			
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Mild
		Inflammation	Mild
* Clitoral Gland			
[Inflammation TGLS = 4 - 12]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Ovary		Cyst	Mild
[Cyst TGLS = 2 - 11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3 - 9]			
* Spleen	Lymph Follic	Atrophy	Minimal
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2 - 3+4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 18]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2 - 4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 222

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 372

HISTO: 0500222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood Vessel	Mineralization	Minimal
Note: Vascular mineralization involves the forestomach.		
* Bone Marrow	Hyperplasia	Marked
* Heart	Cardiomyopathy	Minimal
* Intestine Large, Colon	Parasite Metazoan	
* Kidney	Mineralization	Minimal
	Nephropathy	Minimal
* Liver	Fibrosis	Mild
	Hematopoietic Cell Proliferation	Minimal
	Hepatodiaphragmatic Nodule	
	Hyperplasia	Nodular
	Inflammation	Chronic Active, Mild
[Hepatodiaphragmatic Nodule TGLS = 3 - 15]		
* Lung	Carcinoma	Metastatic (Mammary Gland)
[Carcinoma TGLS = 4,5,6 - 16+17+18]		
* Mammary Gland	Carcinoma	
[Carcinoma TGLS = 1 - 14]		
* Spleen	Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2 - 5]		
* Stomach, Forestomach	Mineralization	Minimal
* Thymus	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222	TRT#: 2	SEX: Female	DAY ON TEST: 372
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500222
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	- Mammary Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* 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	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
Tooth	* Trachea	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3 - 3+4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 14+15]			
Oviduct		Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 4 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Mineralization	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 223	TRT#: 2	SEX: Female	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500223
ORGAN AND ACCOUNTABLE SITE STATUS			
* Uterus		Inflammation	Mild
	Endometrium	Metaplasia	Squamous, Moderate
Vagina	Epithelium	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 224

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 636

HISTO: 0500224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Eye	Cornea	Inflammation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4 - 3+4]			
* Mammary Gland		Fibroadenoma	
		Galactoceles	Marked
[Fibroadenoma TGLS = 1 - 14]			
[Galactoceles TGLS = 2 - 15]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Accessory Spleen	
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Note: Accessory spleen in B09 with adrenal gland.			
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 3 - 16]			

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 225

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 728

HISTO: 0500225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy	Moderate Minimal
* Esophagus			
Note: TGL-4, dilatation, had no corresponding microscopic lesion.			
* Eye	Cornea	Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung	Alveolus Alveolar Epith	Infiltration Cellular Metaplasia	Histiocyte, Moderate Squamous, Mild
[Infiltration Cellular TGLS = 3 - 3+4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2 - 14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 225	TRT#: 2	SEX: Female	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500225
ORGAN AND ACCOUNTABLE SITE STATUS			
* Uterus	Endometrium	Carcinoma	
	Endometrium	Hyperplasia	Adenomatous, Marked
	Endometrium	Metaplasia	Squamous, Moderate
[Carcinoma TGLS = 5 - 15]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500226
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2 - 3+4]			
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Mild
	Endometrium	Metaplasia	Squamous, Marked
[Metaplasia TGLS = 1 - 14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226	TRT#: 2	SEX: Female	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500226

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 700 HISTO: 0500227
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	* Uterus
OBSERVATIONS			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4 - 3+4]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2 - 15]			
[Fibroadenoma TGLS = 1 - 14]			
* Ovary		Cyst	Mild
[Cyst TGLS = 3 - 11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Mammary Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Hypertrophy	Minimal
		Hyperplasia	Mild
* Bone Marrow		Cardiomyopathy	Minimal
* Heart		Mineralization	Minimal
* Kidney		Nephropathy	Minimal
		Hematopoietic Cell Proliferation	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2 - 3+4]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 1 - 11]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3 - 3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Metaplasia	Squamous, Marked
[Metaplasia TGLS = 2 - 15]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 674

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 4 - 12]			
* Kidney		Mineralization	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3 - 3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2 - 5]			
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500231
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Degeneration Hyperplasia Hypertrophy	Minimal Mild Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Clear Cell Focus Eosinophilic Focus	
	Hepatocyte	Hypertrophy Inflammation Mixed Cell Focus	Minimal Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1,2 - 14+15]		Fibroadenoma	Multiple
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231	TRT#: 2	SEX: Female	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500231

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500232
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 1 - 3+4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 595

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0500233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Mild
[Necrosis TGLS = 1 - 6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
[Infiltration Cellular TGLS = 2 - 3+4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	Endometrium	Metaplasia	Squamous, Marked
[Hyperplasia TGLS = 1 - 11]			
[Metaplasia TGLS = 1 - 11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 548

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Mild
		Fibroadenoma	
* Mammary Gland [Fibroadenoma TGLS = 2 - 14]			
* Pituitary Gland [Hyperplasia TGLS = 3 - 9]	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 575 HISTO: 0500236
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	* Uterus
MISSING			
* Parathyroid Gland			
OBSERVATIONS			
* Bone Marrow		Hyperplasia	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Peripheral Nerve [Schwannoma Malignant TGLS = 1-14]		Schwannoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Peripheral Nerve Schwannoma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 237	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500237
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	Tooth	* Trachea	Urethra
* Urinary Bladder	* Uterus		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart	Endocardium	Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Lung		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Ovary		Granulosa Cell Tumor Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Bilateral, C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 238

TRT#: 2

SEX: Female

DAY ON TEST: 560

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2 - 3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 504

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0500239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 2 - 12]			
* Heart			
Note: TGL-3, heart discoloration, had no corresponding microscopic finding.			
* Kidney		Mineralization	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4 - 3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 588

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0500240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Liver		Inflammation	Chronic Active, Mild
		Necrosis	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1 - 14]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2 - 11]			
* Pancreas		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 241

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 684

HISTO: 0500241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Cyst	Marked
[Cyst TGLS = 4 - 12]			
* Intestine Small, Duodenum		Carcinoma	
* Kidney		Carcinoma	Metastatic (Intestine Small, Duodenum)
		Mineralization	Minimal
		Nephropathy	Minimal
[Carcinoma TGLS = 5 - 17]			
* Liver		Cholangiocarcinoma	
		Inflammation	Chronic Active, Minimal
[Cholangiocarcinoma TGLS = 2 - 14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Suppurative, Moderate
		Necrosis	Mild
[Inflammation TGLS = 7 - 3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6 - 18]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 241	TRT#: 2	SEX: Female	DAY ON TEST: 684
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500241
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas [Carcinoma TGLS = 1 - 15]		Carcinoma	Metastatic (Intestine Small, Duodenum)
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Uterus [Carcinoma TGLS = 3 - 16]		Carcinoma	Metastatic (Intestine Small, Duodenum)
PRIMARY CAUSE OF DEATH	- Intestine Small, Duodenum Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242	TRT#: 2	SEX: Female	DAY ON TEST: 706
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3 - 14+15+16]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked

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

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 2 - 12]			
* Eye	Retina	Degeneration	Mild
* Kidney		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5 - 3+4]			
* Mammary Gland		Fibroadenoma	
		Galactocoele	Moderate
[Fibroadenoma TGLS = 1 - 14]			
[Galactocoele TGLS = 4 - 21]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 3 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500243
ORGAN AND ACCOUNTABLE SITE STATUS			
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 483

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0500244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3 - 3+4]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	Endometrium	Metaplasia	Squamous, Marked
[Hyperplasia TGLS = 1 - 11]			
[Metaplasia TGLS = 2 - 11]			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500245
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
Tooth	* Trachea	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Mild Mild Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus Hepatocellular Adenoma Inflammation Pigmentation	Chronic Active, Minimal Moderate
[Hepatocellular Adenoma TGLS = 5 - 14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 15+16]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4 - 17]			
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Hyperplasia	Mild
[Adenoma TGLS = 3 - 9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500245
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 712

HISTO: 0500246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Marked
[Hypertrophy TGLS = 5 - 9]			
* Kidney		Histiocytic Sarcoma	
		Mineralization	Minimal
* Liver		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 8,9,10,11 - 7+17+18+19]			
Lymph Node	Mediastinal	Histiocytic Sarcoma	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
Mesentery		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 7 - 16]			
* Ovary		Histiocytic Sarcoma	
* Pancreas		Histiocytic Sarcoma	
Note: TGL-7 = diagnosed under "mesentery".			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 2 - 9]			
* Spleen		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 6 - 15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 712 HISTO: 0500246
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach		Histiocytic Sarcoma	
* Stomach, Glandular		Inflammation	Minimal
* Thymus		Atrophy	Marked
* Uterus		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 4 - 11]			
PRIMARY CAUSE OF DEATH	- Liver Histiocytic Sarcoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500247
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	Tooth	* Trachea
Urethra	* Urinary Bladder		
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Necrosis	Minimal
		Pigmentation	Minimal
[Necrosis TGLS = 1 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Inflammation	Mild
	Endometrium	Metaplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247	TRT#: 2	SEX: Female	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500247

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Minimal
[Infiltration Cellular TGLS = 3,4 - 16+17]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 14+15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 478

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow	Hyperplasia	Moderate
* Kidney	Mineralization	Minimal
* Liver	Eosinophilic Focus	
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Minimal
[Fibroadenoma TGLS = 1 - 14]		
* Thymus	Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 649

HISTO: 0500250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Minimal Mild Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland [Cyst TGLS = 1 - 12]		Cyst	Minimal
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Cyst Eosinophilic Focus Hematopoietic Cell Proliferation Inflammation Mixed Cell Focus	Mild Chronic Active, Minimal
[Cyst TGLS = 6 - 17]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Carcinoma TGLS = 4 - 14] [Fibroadenoma TGLS = 3 - 16]		Carcinoma Fibroadenoma	
* Ovary		Cyst	Minimal
* Spleen [Hematopoietic Cell Proliferation TGLS = 2 - 5]		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 250	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 649 HISTO: 0500250
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia Squamous Cell Carcinoma	Squamous, Marked
[Squamous Cell Carcinoma TGLS = 5 - 15]			
Vagina	Epithelium	Atypia Cellular	Mild
	Epithelium	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Cyst	Minimal
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 2 - 6+7+15]			
[Mixed Cell Focus TGLS = 2 - 7+15]			
* Lung		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 251	TRT#: 4	SEX: Female	DAY ON TEST: 728
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500251
ORGAN AND ACCOUNTABLE SITE STATUS			
[Fibroadenoma TGLS = 1-14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Inflammation	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 3 - 16]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500252
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Pigmentation	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 1 - 14]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252	TRT#: 4	SEX: Female	DAY ON TEST: 728
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500252
ORGAN AND ACCOUNTABLE SITE STATUS			
* Uterus		Polyp Stromal	Multiple
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 253

TRT#: 4

DOSE: 10 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 560

HISTO: 0500253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 2 - 6+7]			
[Hypertrophy TGLS = 2 - 6+7]			
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gl			
Note: No corresponding lesion for pituitary focus (TGL-3).			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stom Forestom			
Note: TGL-4, thick forestomach, had no corresponding lesion microscopically.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 253	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 560 HISTO: 0500253
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 587 HISTO: 0500254
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Minimal Minimal Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Liver		Basophilic Focus Eosinophilic Focus Hematopoietic Cell Proliferation	 Minimal
	Hepatocyte	Hypertrophy Inflammation Pigmentation Fibroadenoma	Minimal Chronic Active, Minimal Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-14]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 587 HISTO: 0500254
ORGAN AND ACCOUNTABLE SITE STATUS			
[Hyperplasia TGLS = 2,3 - 15+16]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Marked
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 527

DOSE: 10 MG/KG

DISP: Natural Death

HISTO: 0500255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Minimal
		Pigmentation	Mild
[Hepatocellular Carcinoma TGLS = 3-15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 255	TRT#: 4	SEX: Female	DAY ON TEST: 527
	DOSE: 10 MG/KG	DISP: Natural Death	HISTO: 0500255
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach [Hyperplasia TGLS = 4 - 16]	Epithelium	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
		Hyperplasia	Mild
* Thymus	Peridont Tiss	Atrophy	Marked
Tooth		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma		
Animal Note: TGL 2 = NCL (No Corresponding Lesion)			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the kidneys and rectum.			
* Bone Marrow		Hyperplasia	Marked
* Kidney	Cortex	Cyst	Mild
		Mineralization	Minimal
		Nephropathy	Marked
[Cyst TGLS = 3 - 5]			
[Nephropathy TGLS = 2 - 5]			
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hypertrophy	Mild
		Mixed Cell Focus	
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 4 - 15]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 256	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500256
ORGAN AND ACCOUNTABLE SITE STATUS			
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Moderate Mild
[Hyperplasia TGLS = 5 - 16]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Intestine Large, Cecum

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Mild
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
[Mixed Cell Focus TGLS = 3,4 - 14+15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Infiltration Cellular TGLS = 2 - 3+4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Nose		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500257
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland [Hyperplasia TGLS = 1 - 9]	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach [Squamous Cell Carcinoma TGLS = 5 - 16]	Epithelium	Hyperplasia Squamous Cell Carcinoma	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
		Thrombosis	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	[Metaplasia TGLS = 4 - 3+4]		
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2,3 - 14+15+16]		
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Pancreas		Atrophy	Mild
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500258
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach [Hyperplasia TGLS = 5 - 17]	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia Polyp Stromal	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 153 HISTO: 0500259
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	* Uterus
MISSING			
* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
AUTO PRECLUDES DIAG.			
* Pancreas	* Stomach, Forestomach	* Stomach, Glandular	
OBSERVATIONS			
* Bone Marrow		Hyperplasia	Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Minimal
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 366

DOSE: 10 MG/KG

DISP: Natural Death

HISTO: 0500260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	Tooth	* Trachea	Urethra
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Thyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 1 - 9]			
* Kidney		Mineralization	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
[Clear Cell Focus TGLS = 2,3 - 14+15]			
[Mixed Cell Focus TGLS = 4,6 - 14+16]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 17]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 261	TRT#: 4	SEX: Female	DAY ON TEST: 728
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500261
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5 - 18]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262	TRT#: 4	SEX: Female	DAY ON TEST: 728
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 2 - 14]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500262
ORGAN AND ACCOUNTABLE SITE STATUS			
* Uterus [Metaplasia TGLS = 1 - 11]	Endometrium	Metaplasia	Squamous, Marked
Vagina	Epithelium	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	Tooth	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Mild
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the pancreas, rectum, and spleen.			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Pigmentation	Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 3 - 4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 14+15]			
* Ovary		Thecoma Benign	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500263
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 4 - 16]	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 553

DOSE: 10 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* 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	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
	Serosa	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
[Fibrosis TGSL = 4 - 15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGSL = 5 - 3+4]			
* Ovary		Cyst	Moderate
[Cyst TGSL = 3 - 11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 553

DOSE: 10 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500264

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2 - 11]

Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 1 - 14]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 589

DOSE: 10 MG/KG

DISP: Natural Death

HISTO: 0500265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney	Pelvis	Inflammation	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	Alveolar Epith	Metaplasia	Squamous, Marked
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Fibrinoid, Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 3 - 15]			
* Thymus		Atrophy	Moderate
* Uterus		Inflammation	Marked
	Endometrium	Metaplasia	Squamous, Marked
[Metaplasia TGLS = 1,2 - 11+14]			

PRIMARY CAUSE OF DEATH

- Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 4

DOSE: 10 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0500266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the heart.			
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 6 - 12]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 4 - 15]			
* Lung		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 266	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500266
ORGAN AND ACCOUNTABLE SITE STATUS			
[Inflammation TGLS = 2 - 11]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 5 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
		Polyp Stromal	
[Polyp Stromal TGLS = 3 - 16]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500267
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Degeneration	Minimal
		Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hypertrophy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3 - 3]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 14+15]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Necrosis	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 2 - 14]			
[Mixed Cell Focus TGLS = 1 - 15]			
* Lung	Alveolar Epith	Metaplasia	Squamous, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 268	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500268
ORGAN AND ACCOUNTABLE SITE STATUS			
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4 - 16]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 5 - 17]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
[Carcinoma TGLS = 3 - 9]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 587

DOSE: 10 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 14+15]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500270
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Marked
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the pancreas.			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Schwannoma Benign	
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 1 - 3+4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500270
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 3 - 14]	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
[Adenoma TGLS = 2 - 9]			
* Uterus	Endometrium	Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Minimal Moderate Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus Eosinophilic Focus Hematopoietic Cell Proliferation	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy Inflammation Mixed Cell Focus	Mild Chronic Active, Minimal
[Mixed Cell Focus TGLS = 2- 15]			
* Lung		Cystic Keratinizing Epithelioma Inflammation Pigmentation	Chronic Active, Minimal Minimal
[Cystic Keratinizing Epithelioma TGLS = 3 - 4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 271	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500271
ORGAN AND ACCOUNTABLE SITE STATUS			
[Fibroadenoma TGLS = 1 - 14]			
* Nose		Inflammation	Minimal
* Ovary		Cyst	Minimal
* Pancreas		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 4 - 16]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 3,4,5 - 16+17+18]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal
[Metaplasia TGLS = 6 - 3+4]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1 - 14]			
* Ovary		Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 272	TRT#: 4	SEX: Female	DAY ON TEST: 728
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500272
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Uterus		Angiectasis	Mild
		Polyp Stromal	
[Angiectasis TGLS = 2 - 15]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 273

TRT#: 4

DOSE: 10 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0500273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Clear Cell Focus TGLS = 4,5 - 6+7+15+16]			
* Lung		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1 - 14]			
* Ovary		Cyst	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 273	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500273
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cyst TGLS = 3 - 11]			
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2 - 11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1- 14]			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 2 - 15]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 3 - 16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500274
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 271

DOSE: 10 MG/KG

DISP: Natural Death

HISTO: 0500275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 606

DOSE: 10 MG/KG

DISP: Natural Death

HISTO: 0500276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Mineralization	Minimal
* Liver	Hematopoietic Cell Proliferation	Minimal
	Inflammation	Chronic Active, Mild
	Necrosis	Mild
* Lymph Node, Mesenteric	Pigmentation	Minimal
* Spleen	Hematopoietic Cell Proliferation	Moderate
	Pigmentation	Minimal
* Thymus	Atrophy	Marked
* Uterus	Inflammation	Marked

[Inflammation TGLS = 1 - 11]

PRIMARY CAUSE OF DEATH

- Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Cyst	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Minimal
[Carcinoma TGLS = 2 - 15]			
[Fibroadenoma TGLS = 1 - 14]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4 - 9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 277	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500277
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 6 - 16]	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland [Hypertrophy TGLS = 3 - 9]	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Hypertrophy	Minimal
Blood Vessel		Inflammation	Mild
Note: vascular inflammation involves the pancreas and thymus.			
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Hyperplasia	Squamous, Mild
* Intestine Small, Jejunum		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 5 - 17+18]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
		Toxic Hepatopathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 278	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500278
ORGAN AND ACCOUNTABLE SITE STATUS			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1,2,3 - 14+15+16]			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Moderate
	Gingival	Hyperplasia	Squamous, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 589

DOSE: 10 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 280	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500280
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Clear Cell Focus	
		Cyst	Moderate
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Pigmentation	Minimal
[Clear Cell Focus TGLS = 2 - 14]			
[Cyst TGLS = 1 - 15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 280	TRT#: 4	SEX: Female	DAY ON TEST: 728
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500280
ORGAN AND ACCOUNTABLE SITE STATUS			
Polyp Stromal			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 510 HISTO: 0500281
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
[Eosinophilic Focus TGLS = 2 - 6+7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Adenoma Hyperplasia Vacuolization Cytoplasmic	Moderate Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy Inflammation	Mild Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500282
ORGAN AND ACCOUNTABLE SITE STATUS			
[Inflammation TGLS = 2 - 15] * Thymus * Uterus	Endometrium	Inflammation	Moderate
		Mineralization	Mild
		Atrophy	Marked
		Metaplasia	Squamous, Minimal
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 4 - 3+4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2,3 - 15+16]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500283
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Metaplasia	Squamous, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 621 HISTO: 0500284
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
[Eosinophilic Focus TGLS = 2 - 15]			
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Ovary		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 544

DOSE: 10 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Astrocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Mild
* Nose		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Uterus		Inflammation	Minimal
	Endometrium	Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

- Brain Astrocytoma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 309

DOSE: 10 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Infarct	Marked
		Inflammation	Diffuse, Marked
		Nephropathy	Mild
[Inflammation TGLS = 1 - 5]			
* Liver	Hepatocyte	Fatty Change	Diffuse, Minimal
		Hypertrophy	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Kidney Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
[Eosinophilic Focus TGLS = 3 - 16]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mesenteric		Pigmentation	Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
Peritoneum		Sarcoma	
[Sarcoma TGLS = 2- 15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 287	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500287
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hyperplasia	Mild
* Uterus	Endometrium	Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Species/Strain: Rat/HSD

CAS Number: 14047-09-7

Lab: BAT

HISTO: 0500288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Trachea

- * Bone Marrow
- * Eye
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Nose
- * Salivary Glands
- Urethra

- * Brain
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- Oral Mucosa
- * Skin
- * Urinary Bladder

- * Clitoral Gland
- * Heart
- * Intestine Small, Duodenum
- * Lymph Node, Mandibular
- * Pancreas
- * Stomach, Glandular
- * Uterus

OBSERVATIONS

- * Adrenal Cortex
- * Adrenal Medulla
- Blood Vessel

Note: Vascular inflammation involves the kidney and pancreas.

- * Kidney
- * Liver

Vacuolization Cytoplasmic
Hyperplasia
Inflammation

Minimal
Minimal
Mild

- Nephropathy
- Clear Cell Focus
- Eosinophilic Focus
- Hematopoietic Cell Proliferation
- Hyperplasia
- Hypertrophy
- Inflammation
- Mixed Cell Focus
- Pigmentation

Mild

Minimal

Mild

Mild

Chronic Active, Minimal

Minimal

[Mixed Cell Focus TGLS = 5,6 - 14+15]

* Lung

Alveolus
Alveolar Epith
Alveolar Epith

Cystic Keratinizing Epithelioma
Infiltration Cellular
Metaplasia
Metaplasia
Pigmentation

Multiple
Histiocyte, Mild
Bronchiolar, Mild
Squamous, Marked
Minimal

Note: Bronchiole has an inflammatory polyp.

[Cystic Keratinizing Epithelioma TGLS = 3,4 - 3+17]

* Mammary Gland

Hyperplasia

Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500288
ORGAN AND ACCOUNTABLE SITE STATUS			
[Hyperplasia TGLS = 1 - 16]			
* Ovary		Cyst	Minimal
[Cyst TGLS = 2 - 11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Cyst	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 289	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 335 HISTO: 0500289
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
OBSERVATIONS			
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
		Hematopoietic Cell Proliferation	Mild
* Spleen		Atrophy	Moderate
* Thymus		Hyperplasia	Cystic, Minimal
* Uterus	Endometrium	Inflammation	Minimal
	Endometrium	Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500290
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Skin	* Stomach, Glandular	Tooth
* Trachea			
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Marked
		Hypertrophy	Mild
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the thymus.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
Peripheral Nerve		Ganglioneuroma	
[Ganglioneuroma TGLS = 1 - 14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Fibrosis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 290	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500290
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
Urethra	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Mild
* Urinary Bladder		Inflammation	Mild
		Metaplasia	Squamous, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Metaplasia	Squamous, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 291	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500291
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	Tooth	* Trachea	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 5 - 18]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3,4 - 14+15+16+17]			
* Ovary		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Metaplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 291	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500291
ORGAN AND ACCOUNTABLE SITE STATUS			
Vagina	Epithelium	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 705

DOSE: 10 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Nose	Oral Mucosa	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Zona Fasciata	Hyperplasia	Mild
Blood Vessel		Hypertrophy	Minimal
Note: Vascular inflammation involves the heart.		Inflammation	Minimal
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Liver	Hepatocyte	Hematopoietic Cell Proliferation	Minimal
		Hypertrophy	Mild
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 14+15]			
* Ovary		Cyst	Marked
[Cyst TGLS = 4 - 11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3 - 5]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292	TRT#: 4	SEX: Female	DAY ON TEST: 705
	DOSE: 10 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500292

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 460

DOSE: 10 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Blood Vessel		Mineralization	Minimal
Note: Vascular mineralization involves the glandular stomach.			
* Bone Marrow		Hyperplasia	Marked
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1- 14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Mineralization	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500294
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2 - 15]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 4 - 16]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
Mesentery		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 294	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500294
ORGAN AND ACCOUNTABLE SITE STATUS			
[Lymphoma Malignant TGLS = 5 - 17]			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
[Cyst TGLS = 7 - 18]			
[Eosinophilic Focus TGLS = 6 - 17]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3 - 14+15+16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4 - 9]			
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 295	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500295
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Marked
* Uterus		Inflammation	Mild
	Endometrium	Metaplasia	Squamous, Marked
[Metaplasia TGLS = 5 - 11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 296		TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500296
ORGAN AND ACCOUNTABLE SITE STATUS				
NORMAL				
* Bone	* Bone Marrow	* Brain	* Clitoral Gland	
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum	
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland	
* Salivary Glands	* Skin	* Stomach, Glandular	Tooth	
* Trachea	Urethra	* Urinary Bladder	* Uterus	
OBSERVATIONS				
* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal	
		Hypertrophy	Mild	
* Adrenal Medulla		Hyperplasia	Mild	
Blood Vessel		Inflammation	Moderate	
Note: Vascular inflammation involves the adrenal cortex, colon, kidney, and pancreas.				
* Heart		Cardiomyopathy	Minimal	
* Kidney		Nephropathy	Mild	
* Liver		Clear Cell Focus		
		Fatty Change	Diffuse, Minimal	
		Hematopoietic Cell Proliferation	Minimal	
	Bile Duct	Hyperplasia	Minimal	
	Hepatocyte	Hypertrophy	Minimal	
		Inflammation	Chronic Active, Minimal	
		Mixed Cell Focus		
[Mixed Cell Focus TGLS = 1 - 14]				
* Lymph Node, Mesenteric		Pigmentation	Mild	
* Mammary Gland		Hyperplasia	Minimal	
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild	
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate	
* Spleen		Hematopoietic Cell Proliferation	Moderate	
		Pigmentation	Mild	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 296	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500296
ORGAN AND ACCOUNTABLE SITE STATUS			
[Hyperplasia TGLS = 2 - 15]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Species/Strain: Rat/HSD

CAS Number: 14047-09-7

Lab: BAT**HISTO:** 0500297

- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Thymus
- Urethra

Minimal
Minimal
Marked
Minimal
Minimal
Minimal

[Histiocytic Sarcoma TGLS = 3 - 6+7]

Multiple

Minimal

Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 297	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 722 HISTO: 0500297
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Pars Distalis	Hyperplasia	Mild
		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 8 - 19]			
* Uterus		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1 - 14]			
PRIMARY CAUSE OF DEATH	- Uterus Squamous Cell Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Degeneration	Mild
	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
Note: One adrenal gland has cortical cell hypertrophy and degeneration, the other has cortical atrophy. [Degeneration TGLS = 2 - 9]			
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the cecum, jejunum, mediastinum (B07 w/ aorta), and pancreas.			
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
		Pigmentation	Minimal
* Mammary Gland		Adenoma	
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 298	TRT#: 4	SEX: Female	DAY ON TEST: 728
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500298
ORGAN AND ACCOUNTABLE SITE STATUS			
[Adenoma TGLS = 1 - 14]			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299	TRT#: 4 DOSE: 10 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 460 HISTO: 0500299
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
* Liver		Angiectasis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
* Lung		Pigmentation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
Skeletal Muscle		Inflammation	Marked
Note: TGL-1 was an abscess beneath the cervical vertebrae. [Inflammation TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Skeletal Muscle Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Cholangiofibrosis	Minimal
		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
[Mixed Cell Focus TGLS = 5 - 18]			
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
		Pigmentation	Marked

Note: B14 glands and ducts are dilated with erythrocytes that are largely hemolyzed, and epithelia contain abundant hemosiderin, consistent with previous hemorrhage.

[Dilatation TGLS = 1 - 14]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 300	TRT#: 4	SEX: Female	DAY ON TEST: 727
	DOSE: 10 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500300
ORGAN AND ACCOUNTABLE SITE STATUS			
[Fibroadenoma TGLS = 2 - 15]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Carcinoma	
	Endometrium	Metaplasia	Squamous, Moderate
		Polyp Stromal	
[Carcinoma TGLS = 3,4 - 16+17]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500301
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	Oral Mucosa	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
Tooth	* Trachea	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Moderate
	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves the colon, glandular stomach, pancreas, intercostal arteries, and thyroid gland.			
Note: TGL-6 and -7 due to Inflammation of intercostal arteries (B17).			
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 2 - 6+7]			
[Hyperplasia TGLS = 2 - 7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500301
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolar Epith	Metaplasia Pigmentation	Squamous, Marked Minimal
[Cystic Keratinizing Epithelioma TGLS = 4,5 - 3+16]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Nose		Inflammation	Minimal
* Pancreas		Inflammation	Moderate
	Acinus	Vacuolization Cytoplasmic	Mild
[Inflammation TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Mild
[Hyperplasia TGLS = 3- 15]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 30 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	Tooth	* Trachea	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the vagina.			
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 2-14]			
[Mixed Cell Focus TGLS = 7-17]			
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 5-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 302	TRT#: 6	SEX: Female	DAY ON TEST: 728
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500302
ORGAN AND ACCOUNTABLE SITE STATUS			
* Nose		Inflammation	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Thecoma Benign	
[Thecoma Benign TGLS = 3-11]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-9]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Metaplasia	Squamous, Marked
[Metaplasia TGLS = 4-16]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Species/Strain: Rat/HSD

CAS Number: 14047-09-7

Lab: BAT**HISTO: 0500303**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain

* Harderian Gland

* Intestine Large, Rectum

* Islets, Pancreatic

* Pituitary Gland

Tooth

* Uterus

OBSERVATIONS

Minimal

Marked

Mild

Mild

Mild

Minimal

Focal, Minimal

Minimal

Minimal

Minimal

Minimal

[Clear Cell Focus TGLS = 1-6+7+14]

[Mixed Cell Focus TGLS = 1-6+7+14]

Histiocyte, Mild

Bronchiolar, Mild

Mild

Minimal

Mild

Cyskeratnizing, Mild

Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 303	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500303
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas		Thecoma Benign	
* Spleen		Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 560

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
[Eosinophilic Focus TGLS = 4-15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node			
Note: No corresponding lesion for TGL-3; mediastinal lymph node appears normal size microscopically.			
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary			
Note: No corresponding lesion for ovarian cyst (TGL-2).			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304	TRT#: 6	SEX: Female	DAY ON TEST: 560
	DOSE: 30 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500304
ORGAN AND ACCOUNTABLE SITE STATUS			
Polyp Stromal			
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 668 HISTO: 0500305
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
Tooth	* Trachea	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Marked
	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Mild
		Necrosis	Minimal
[Degeneration TGLS = 2-9]			
* Adrenal Medulla		Pheochromocytoma Benign	Multiple
Blood Vessel		Inflammation	Mild
		Mineralization	Minimal
Note: Vascular inflammation involves jejunum, mesentery, and pancreas.			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular	Degeneration	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Marked
		Necrosis	Mild
		Pigmentation	Minimal
[Necrosis TGLS = 1-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 668 HISTO: 0500305
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 3,4 - 3+4+14+15]			
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 5-11]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland		Necrosis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 6 - 16]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Angiectasis	Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 540

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 2,4,5 - 4+15]		
	[Metaplasia TGLS = 3 - 3]		
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1 - 14]		
* Ovary		Cyst	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
	[Hyperplasia TGLS = 6 - 16]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 306	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 540 HISTO: 0500306
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 307

TRT#: 6

DOSE: 30 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 587

HISTO: 0500307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Cyst Hyperplasia	Minimal Mild Mild Squamous, Mild
[Cyst TGLS = 2 - 12]			
* Eye	Antr Chamber	Inflammation	Mild
* Kidney		Mineralization	Minimal
* Liver	Oval Cell	Hyperplasia Pigmentation Pigmentation	Minimal Moderate Minimal
* Lung		Atrophy	Moderate
* Lymph Node, Mesenteric		Pigmentation Inflammation	Mild Minimal
* Nose	Gingival	Squamous Cell Carcinoma	
Oral Mucosa	Acinus	Vacuolization Cytoplasmic	Minimal
* Pancreas	Lymph Follic	Atrophy Pigmentation	Moderate Mild
* Spleen		Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium		
[Hyperplasia TGLS = 4 - 14]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 308	TRT#: 6	SEX: Female	DAY ON TEST: 612
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 3 - 12]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Necrosis	Mild
		Pigmentation	Minimal
[Necrosis TGLS = 4 - 15]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Squamous, Marked
[Cystic Keratinizing Epithelioma TGLS = 5 - 3+4+16]			
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 14+17]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 308	TRT#: 6	SEX: Female	DAY ON TEST: 612
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500308
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Minimal
		Necrosis	Mild
[Hyperplasia TGLS = 6 - 18]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Minimal
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 229

DOSE: 30 MG/KG

DISP: Dosing Accident

HISTO: 0500309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 310	TRT#: 6	SEX: Female	DAY ON TEST: 728
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500310
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thyroid Gland	* Trachea	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 4,5 - 6+7]			
* Lung		Pigmentation	Mild
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1- 14]			
* Ovary		Cyst	Mild
[Cyst TGLS = 3 - 11]			
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 6 - 16]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500310
ORGAN AND ACCOUNTABLE SITE STATUS			
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Cervix	Fibroma Polyp Stromal	
[Fibroma TGLS = 2 - 15]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 30 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
	Bile Duct	Cyst	Minimal
		Eosinophilic Focus	
	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4 - 6+7+15]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 2 - 4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 311	TRT#: 6	SEX: Female	DAY ON TEST: 727
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500311
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland [Hyperplasia TGLS = 3 - 9]	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 5 - 16]	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 312

TRT#: 6

DOSE: 30 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 728

HISTO: 0500312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
Ear	External Ear	Hyperplasia	Squamous, Moderate
[Hyperplasia TGLS = 1 - 14]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
[Eosinophilic Focus TGLS = 5,6 - 6+7+18]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 312	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500312
ORGAN AND ACCOUNTABLE SITE STATUS			
[Fibroadenoma TGLS = 2 - 15]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 3 - 16]			
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 4 - 17]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 30 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4 - 9]			
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Atypical, Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
	Bile Duct	Cyst	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Mixed Cell Focus	
		Pigmentation	Minimal
[Cyst TGLS = 8 - 18]			
[Eosinophilic Focus TGLS = 5,6,7 - 15+16+17]			
* Nose		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 313	TRT#: 6	SEX: Female	DAY ON TEST: 728
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500313
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Cyst	Mild
[Cyst TGLS = 3 - 11]			
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Hyperplasia TGLS = 1 - 11]			
[Polyp Stromal TGLS = 2 - 14]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500314
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	Tooth	* Trachea	Urethra
* Urinary Bladder			
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Cyst	Mild
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
[Cyst TGLS = 2 - 14]			
* Lung		Cystic Keratinizing Epithelioma	
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 1 - 3]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Pancreas		Atrophy	Marked
	Duct	Atypia Cellular	Mild
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:00

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 314	TRT#: 6	SEX: Female	DAY ON TEST: 728
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500314
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 3 - 15]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 273

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1 - 14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:00
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 30 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 2 - 12]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Mixed Cell Focus	
		Pigmentation	Minimal
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	Alveolar Epith	Metaplasia	Squamous, Minimal
		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Oviduct		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 316	TRT#: 6	SEX: Female	DAY ON TEST: 727
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500316
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Carcinoma	
		Polyp Stromal	
[Carcinoma TGLS = 3 - 15]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 634

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Inflammation	Moderate
		Necrosis	Moderate
		Thrombosis	Mild
* Kidney	Pelvis	Dilatation	Mild
	Pelvis, Transit Epithe	Hyperplasia	Mild
		Infarct	Mild
		Inflammation	Diffuse, Moderate
	Renal Tubule	Necrosis	Mild
[Dilatation TGLS = 1 - 5]			
[Inflammation TGLS = 4 - 14]			
[Necrosis TGLS = 3 - 5+14]			
* Liver		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Thrombosis	Minimal
[Cystic Keratinizing Epithelioma TGLS = 6 - 16]			
[Infiltration Cellular TGLS = 5 - 3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 634 HISTO: 0500317
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Marked
* Pituitary Gland		Necrosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 7 - 17]			
* Thymus		Atrophy	Marked
* Uterus		Hemorrhage	Moderate
		Inflammation	Moderate
	Endometrium	Metaplasia	Squamous, Moderate
[Hemorrhage TGLS = 2 - 15]			
PRIMARY CAUSE OF DEATH	- Uterus Inflammation		
CONTRIBUTORY CAUSE OF DEATH	- Heart Thrombosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 30 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the heart, pancreas, and thyroid gland.			
* Bone Marrow		Hyperplasia	Moderate
		Myelofibrosis	Mild
* Eye	Retina	Degeneration	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 3 - 6+7+15]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500318
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolar Epith	Metaplasia Pigmentation	Squamous, Marked Minimal
[Cystic Keratinizing Epithelioma TGLS = 4,5 - 3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
	Gingival	Hyperplasia	Cyskeratnizing, Marked
* Ovary		Cyst	Marked
[Cyst TGLS = 2 - 11]			
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500319
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	Urethra	* Urinary Bladder	* Uterus
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Moderate Moderate Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Liver		Clear Cell Focus Degeneration Eosinophilic Focus Fatty Change Hematopoietic Cell Proliferation	Cystic, Minimal Diffuse, Minimal Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy Inflammation Mixed Cell Focus	Mild Chronic Active, Minimal
[Mixed Cell Focus TGLS = 6 - 6+7+16]			
* Lung	Alveolus	Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Infiltration Cellular Metaplasia Pigmentation	Histiocyte, Mild Bronchiolar, Moderate Minimal
[Cystic Keratinizing Epithelioma TGLS = 3,4 - 3+17]			
Lymph Node		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319		TRT#: 6	SEX: Female	DAY ON TEST: 727
		DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500319
ORGAN AND ACCOUNTABLE SITE STATUS				
Note: Axillary lymph node has lymphoma. [Lymphoma Malignant TGLS = 2 - 14]				
* Lymph Node, Mesenteric			Pigmentation	Minimal
* Mammary Gland			Fibroadenoma	
			Hyperplasia	Minimal
[Fibroadenoma TGLS = 1 - 15]				
Oral Mucosa	Gingival		Hyperplasia	Squamous, Moderate
	Gingival		Hyperplasia	Cyskeratnizing, Minimal
[Hyperplasia TGLS = 5 - 1]				
* Ovary			Cyst	Mild
* Pancreas			Atrophy	Minimal
	Acinus		Vacuolization Cytoplasmic	Mild
* Spleen			Hematopoietic Cell Proliferation	Mild
			Pigmentation	Minimal
* Stomach, Forestomach	Epithelium		Hyperplasia	Minimal
[Hyperplasia TGLS = 7 - 18]				
* Thymus			Atrophy	Marked
Tooth	Peridont Tiss		Inflammation	Minimal
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 615

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Degeneration Hyperplasia Vacuolization Cytoplasmic	Minimal Mild Minimal
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia Inflammation Necrosis Pigmentation	Minimal Chronic Active, Mild Mild Minimal
[Eosinophilic Focus TGLS = 1- 14]			
* Lung	Alveolus	Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Infiltration Cellular	Histiocyte, Mild
[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7 - 4+15+16+17+18]		Metaplasia	Squamous, Marked
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 320	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 615 HISTO: 0500320
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cyst TGLS = 2 - 11]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Moderate
		Necrosis	Minimal
[Hyperplasia TGLS = 9 - 19]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Moderate
[Hyperplasia TGLS = 8 - 9]			
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321	TRT#: 6	SEX: Female	DAY ON TEST: 649
	DOSE: 30 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
	Zona Fascult	Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Minimal
		Mineralization	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 2 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	
[Cystic Keratinizing Epithelioma TGLS = 3 - 15]			
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 649 HISTO: 0500321
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 322	TRT#: 6	SEX: Female	DAY ON TEST: 727
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500322

ORGAN AND ACCOUNTABLE SITE STATUS

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

MISSING			
* Thymus			

OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Moderate
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 8 - 6+7]			
[Hyperplasia TGLS = 7 - 15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 322	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500322
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lung [Cystic Keratinizing Epithelioma TGLS = 2,3,4,5,6 - 4+16+17+18+19]	Alveolus Alveolar Epith Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Metaplasia	Multiple Histiocyte, Minimal Squamous, Minimal Bronchiolar, Mild
* Mammary Gland [Fibroadenoma TGLS = 1 - 14]		Fibroadenoma Hyperplasia	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 9 - 20]	Epithelium	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 716

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Thrombosis	Minimal Mild Minimal
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia Inflammation Necrosis	Mild Diffuse, Moderate Marked
	Papilla		
[Inflammation TGLS = 4,5 - 5]			
* Liver	Centrilobular	Basophilic Focus Degeneration Degeneration Eosinophilic Focus Hematopoietic Cell Proliferation Hepatodiaphragmatic Nodule	Mild Cystic, Mild Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia Pigmentation	Minimal Minimal
[Hepatodiaphragmatic Nodule TGLS = 3 - 16]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 323	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 716 HISTO: 0500323
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 6,7 - 4+17]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 14+15]			
Oviduct		Cyst	Mild
* Pituitary Gland	Pars Intermed	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 8 - 18]			
* Thymus		Atrophy	Marked
Urethra	Transit Epithe	Hyperplasia	Minimal
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 324	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 525 HISTO: 0500324
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Marked
		Hypertrophy	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the vagina.			
* Bone Marrow		Hyperplasia	Marked
* Eye	Retina	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
[Eosinophilic Focus TGLS = 2 - 6+7]			
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Ovary		Cyst	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 324	TRT#: 6	SEX: Female	DAY ON TEST: 525
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500324
ORGAN AND ACCOUNTABLE SITE STATUS			
[Hyperplasia TGLS = 3 - 14]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1 - 11]			
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 30 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Pigmentation	Mild
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
	Gingival	Hyperplasia	Squamous, Minimal
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500325
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 326	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 597 HISTO: 0500326
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Necrosis	Mild Minimal Mild
[Degeneration TGLS = 3 - 9]			
Blood Vessel		Inflammation Mineralization	Minimal Marked
Note: Vascular mineralization involves the aorta, heart, kidneys, lungs, mediastinum (B03), salivary glands, and stomach (glandular). Note: Vascular inflammation involves the pancreas.			
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy Mineralization	Minimal Moderate
* Kidney	Pelvis	Dilatation Infarct Inflammation Mineralization Nephropathy	Moderate Marked Diffuse, Marked Mild Moderate
[Dilatation TGLS = 4 - 14] [Inflammation TGLS = 2 - 5]			
* Liver		Basophilic Focus Eosinophilic Focus	
	Bile Duct	Hyperplasia Inflammation	Minimal Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 326	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 597 HISTO: 0500326
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lung	Alveolus	Pigmentation Cystic Keratinizing Epithelioma Infiltration Cellular Inflammation	Minimal Multiple Histiocyte, Mild Chronic Active, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
		Pigmentation	Mild
[Cystic Keratinizing Epithelioma TGLS = 5,6,7 - 3+4+15+16]			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Inflammation	Marked
[Inflammation TGLS = 1 - 11]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 9 - 18]			
* Thymus		Atrophy	Marked
* Urinary Bladder		Carcinoma	Metastatic (Uterus)
* Uterus	Endometrium	Carcinoma	
	Endometrium	Metaplasia	Squamous, Mild
[Carcinoma TGLS = 8 - 17]			
PRIMARY CAUSE OF DEATH	- Kidney Infarct		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 327	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 688 HISTO: 0500327
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the cecum, duodenum, mediastinum (B03), pancreas, rectum, and vagina.			
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Hyperplasia	Squamous, Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
[Eosinophilic Focus TGLS = 1 - 6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Squamous, Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal
		Inflammation	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 2 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 327	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 688 HISTO: 0500327
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach [Hyperplasia TGLS = 3 - 14]	Epithelium	Hyperplasia	Marked
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- Stomach, Forestomach Epithelium Hyperplasia		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 611

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Pigmentation	Mild
[Eosinophilic Focus TGLS = 3 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Squamous, Marked
Note: Epithelioma is also in B04.			
[Cystic Keratinizing Epithelioma TGLS = 4 - 15]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2 - 14]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 328	TRT#: 6	SEX: Female	DAY ON TEST: 611
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500328
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland [Adenoma TGLS = 1 - 9]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 5 - 16]	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 721

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Adenoma	
	Zona Fascult	Hyperplasia	Mild
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the forestomach, mediastinum (B03), mesentery (B17), pancreas, and vagina.			
Note: Inflammation involves the mesenteric arteries.			
[Inflammation TGLS = 5-17]			
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Eosinophilic Focus TGLS = 1 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 329	TRT#: 6	SEX: Female	DAY ON TEST: 721
	DOSE: 30 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500329
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolar Epith	Metaplasia	Squamous, Marked
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 2,3,4 - 14+15+16]			
* Lymph Node, Mesenteric		Pigmentation	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 330	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500330
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
Urethra	* Urinary Bladder		
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic Inflammation	Minimal Minimal Moderate Minimal
Blood Vessel			
Note: Vascular inflammation involves the heart.			
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Liver		Clear Cell Focus Eosinophilic Focus Hematopoietic Cell Proliferation	
	Hepatocyte	Hypertrophy Inflammation Mixed Cell Focus	Minimal Moderate Chronic Active, Minimal
[Eosinophilic Focus TGLS = 3 - 6+7]			
* Lung	Alveolar Epith	Metaplasia Pigmentation Pigmentation Fibroadenoma	Bronchiolar, Minimal Minimal Minimal
* Lymph Node, Mesenteric			
* Mammary Gland			
[Fibroadenoma TGLS = 1 - 14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 330	TRT#: 6	SEX: Female	DAY ON TEST: 727
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500330
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Moderate
[Hyperplasia TGLS = 2 - 9]			
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 331	TRT#: 6	SEX: Female	DAY ON TEST: 720
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves the colon, lungs, pancreas, rectum, stomach (glandular), and thymus.			
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Minimal
	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
		Necrosis	Minimal
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 331		TRT#: 6	SEX: Female	DAY ON TEST: 720
		DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500331
ORGAN AND ACCOUNTABLE SITE STATUS				
			Toxic Hepatopathy	Mild
[Eosinophilic Focus TGLS = 3 - 6+7]				
[Hyperplasia TGLS = 2 - 15]				
[Mixed Cell Focus TGLS = 1 - 14]				
* Lung			Cystic Keratinizing Epithelioma	Multiple
	Alveolus		Infiltration Cellular	Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 4,5,6,7,8 - 4+16+17+18+19]				
* Lymph Node, Mesenteric			Pigmentation	Minimal
* Mammary Gland			Hyperplasia	Minimal
Oral Mucosa	Gingival		Hyperplasia	Cyskeratnizing, Minimal
	Gingival		Squamous Cell Carcinoma	
* Spleen	Lymph Follic		Atrophy	Mild
			Hematopoietic Cell Proliferation	Mild
			Pigmentation	Minimal
* Stomach, Forestomach	Epithelium		Hyperplasia	Marked
			Inflammation	Mild
[Hyperplasia TGLS = 9 - 20]				
* Thymus			Atrophy	Marked
* Thyroid Gland	C Cell		Adenoma	
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 659

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
Tooth	* Trachea	Urethra	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the heart.			
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Pigmentation	Mild
[Angiectasis TGLS = 4 - 16]			
[Hyperplasia TGLS = 2,3 - 14+15]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 332	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 659 HISTO: 0500332
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 1 - 3+4+17]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Mild
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 5 - 18]			
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 391

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Heart	* Intestine Small, Ileum	* Liver	* Lung
* Parathyroid Gland	* Spleen		

AUTO PRECLUDES DIAG.

* Pancreas	* Stomach, Glandular
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OBSERVATIONS

* Bone Marrow	Hyperplasia	Moderate
* Eye		
Note: Optic nerves missing from block and sections.		
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]		
* Thymus	Atrophy	Moderate
* Uterus	Inflammation	Marked
[Inflammation TGLS = 2 - 11]		

PRIMARY CAUSE OF DEATH

- Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 628

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic	Mild Minimal Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Infarct	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Mild
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
		Pigmentation	Minimal
[Basophilic Focus TGLS = 4 - 15] [Necrosis TGLS = 5 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
Note: No corresponding microscopic lesion for adhesion (TGL-6); probably was pleural fibrosis secondary to inflammation around keratin. [Cystic Keratinizing Epithelioma TGLS = 7,8,9,10 - 16+17+18+19]			
* Lymph Node, Mesenteric		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 334	TRT#: 6	SEX: Female	DAY ON TEST: 628
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500334
ORGAN AND ACCOUNTABLE SITE STATUS			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
Oviduct		Inflammation	Moderate
[Inflammation TGLS = 3 - 11]			
* Pancreas		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Inflammation	Marked
[Inflammation TGLS = 2 - 11]			
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 335	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 574 HISTO: 0500335
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Minimal
		Pigmentation	Minimal
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH	- UNCERTAIN
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 30 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	Urethra	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy	Mild Minimal
[Hyperplasia TGLS = 2-9]			
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 1 - 12]			
* Eye	Retina	Degeneration	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Toxic Hepatopathy	Mild
[Eosinophilic Focus TGLS = 3 - 14]			
[Mixed Cell Focus TGLS = 4 - 6+7+14+15]			
* Lung		Cystic Keratinizing Epithelioma	
	Serosa	Inflammation	Granulomatous, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500336
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: Pleural inflammation surrounds keratin from the mass in B16. [Cystic Keratinizing Epithelioma TGLS = 5 - 16]		Pigmentation	Mild
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Mild
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Ovary		Cyst	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 6 - 17]			
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Accidentally Killed	DAY ON TEST: 439 HISTO: 0500337
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	* Uterus
OBSERVATIONS			
* Adrenal Cortex		Necrosis	Mild
* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 2 - 14]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
		Pigmentation	Marked
		Toxic Hepatopathy	Mild
[Necrosis TGLS = 1 - 6+7]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 3 - 15]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337	TRT#: 6	SEX: Female	DAY ON TEST: 439
	DOSE: 30 MG/KG	DISP: Accidentally Killed	HISTO: 0500337
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	- Brain Hemorrhage		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 338	TRT#: 6	SEX: Female	DAY ON TEST: 593
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500338
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
Urethra	* Urinary Bladder		
MISSING			
* Lymph Node, Mandibular	* Parathyroid Gland		
OBSERVATIONS			
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
	Renal Tubule	Necrosis	Mild
* Liver		Basophilic Focus	
		Carcinoma	Metastatic (Pancreas)
		Eosinophilic Focus	
		Pigmentation	Mild
[Carcinoma TGLS = 7 - 14]			
[Eosinophilic Focus TGLS = 8 - 16]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Cystic Keratinizing Epithelioma TGLS = 11,12,13,14 - 3+4+21+22]			
* Lymph Node, Mesenteric		Carcinoma	Metastatic (Pancreas)
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 5,10 - 17+20]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Carcinoma	Metastatic (Pancreas)
[Carcinoma TGLS = 1,2 - 11+18]			
* Pancreas	Duct	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 593 HISTO: 0500338
ORGAN AND ACCOUNTABLE SITE STATUS			
[Carcinoma TGLS = 6 - 15+24+25]			
Peritoneum		Carcinoma	Metastatic (Pancreas)
[Carcinoma TGLS = 9 - 23]			
* Spleen	Lymph Follic	Atrophy	Marked
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 15 - 6]			
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Carcinoma	Metastatic (Pancreas)
	Endometrium	Metaplasia	Squamous, Marked
[Carcinoma TGLS = 3 - 19]			
[Metaplasia TGLS = 4 - 11]			
PRIMARY CAUSE OF DEATH	- Pancreas Duct Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 644

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Marked
* Eye			
Note: Optic nerves missing from block and sections.			
* Heart		Cardiomyopathy	Minimal
		Sarcoma	
[Sarcoma TGLS = 6 - 17]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hypertrophy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Sarcoma	Metastatic (Heart)
[Sarcoma TGLS = 3,4 - 3+16]			
Lymph Node	Thoracic	Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 339	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 644 HISTO: 0500339
ORGAN AND ACCOUNTABLE SITE STATUS			
* Mammary Gland [Fibroadenoma TGLS = 1,2 - 14+15]		Fibroadenoma	Multiple
* Ovary		Cyst	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus [Atrophy TGLS = 5 - 3]		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- Heart Sarcoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 340	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 580 HISTO: 0500340
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
		Necrosis	Mild
* Brain		Hemorrhage	Minimal
[Hemorrhage TGLS = 3 - 8]			
* Kidney		Mineralization	Minimal
	Renal Tubule	Necrosis	Mild
[Necrosis TGLS = 4 - 5]			
* Liver	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Mild
[Fatty Change TGLS = 2 - 6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 340	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 580 HISTO: 0500340
ORGAN AND ACCOUNTABLE SITE STATUS			
Lymph Node [Hemorrhage TGLS = 5 - 14]	Alveolar Epith Alveolar Epith Pancreatic	Metaplasia Metaplasia Hemorrhage	Squamous, Marked Bronchiolar, Minimal Mild
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary [Inflammation TGLS = 1 - 11]		Inflammation	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 6 - 15]	Epithelium	Hyperplasia	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- Ovary Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 630 HISTO: 0500341
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Pigmentation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 4 - 16]			
* Uterus	Endometrium	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341	TRT#: 6	SEX: Female	DAY ON TEST: 630
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500341

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 342

TRT#: 6

DOSE: 30 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0500342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 2 - 12]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 3,4,6,7 - 7+15+16+18]			
[Mixed Cell Focus TGLS = 3,4,5 - 15+16+17]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 342	TRT#: 6	SEX: Female	DAY ON TEST: 727
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500342
ORGAN AND ACCOUNTABLE SITE STATUS			
* Mammary Gland [Fibroadenoma TGLS = 1 - 14]		Fibroadenoma	
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 343

TRT#: 6

DOSE: 30 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 548

HISTO: 0500343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Hypertrophy	Minimal
		Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
* Lung		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Ovary		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 2 - 14]			
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343	TRT#: 6	SEX: Female	DAY ON TEST: 548
	DOSE: 30 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500343
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	- UNCERTAIN		
Animal Note: TGL 1 = NCL (No Corresponding Lesion)			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 710

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: 0500344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Hyperplasia	Squamous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 2 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Squamous, Minimal
* Lymph Node, Mesenteric		Atrophy	Marked
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 710 HISTO: 0500344
ORGAN AND ACCOUNTABLE SITE STATUS			
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1 - 9]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 3 - 14]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Metaplasia	Squamous, Minimal
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Eye	Retina	Degeneration	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
	Centrilobular	Degeneration	Moderate
		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Pigmentation	Minimal
		Thrombosis	Marked
		Toxic Hepatopathy	Moderate
[Cholangiocarcinoma TGLS = 6 - 17]			
[Hyperplasia TGLS = 3,4 - 6+7+15]			
[Thrombosis TGLS = 5 - 16]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 345		TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 727 HISTO: 0500345
ORGAN AND ACCOUNTABLE SITE STATUS				
* Lymph Node, Mesenteric			Pigmentation	Mild
Mesentery			Atrophy	Moderate
Note: Entire lesion (TGL-2) is actually a thrombus.			Thrombosis	Mild
[Thrombosis TGLS = 2 - 14]				
Oral Mucosa	Gingival		Hyperplasia	Squamous, Minimal
* Pancreas			Atrophy	Moderate
			Inflammation	Moderate
* Pituitary Gland	Pars Distalis		Hyperplasia	Minimal
* Spleen			Hematopoietic Cell Proliferation	Mild
			Pigmentation	Minimal
* Stomach, Forestomach	Epithelium		Hyperplasia	Mild
[Hyperplasia TGLS = 7 - 18]				
* Thymus			Atrophy	Marked
* Uterus	Endometrium		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Liver Thrombosis			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 346

TRT#: 6

DOSE: 30 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 597

HISTO: 0500346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves mesentery (B15), pancreas, and skeletal muscle (in B09).			
[Inflammation TGLS = 3 - 15]			
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 2 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Squamous, Minimal
[Cystic Keratinizing Epithelioma TGLS = 1 - 14]			
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 346	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 597 HISTO: 0500346
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach	Epithelium	Pigmentation	Minimal
* Thymus		Hyperplasia	Minimal
		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 460

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Diffuse, Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 348

TRT#: 6

DOSE: 30 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 673

HISTO: 0500348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Degeneration	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3 - 5]			
* Liver	Centrilobular	Degeneration	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 6 - 4]			
Lymph Node	Thoracic	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2 - 15]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 348	TRT#: 6	SEX: Female	DAY ON TEST: 673
	DOSE: 30 MG/KG	DISP: Natural Death	HISTO: 0500348
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas	Gingival	Hyperplasia	Squamous, Mild
* Pituitary Gland	Acinus	Vacuolization Cytoplasmic	Minimal
[Adenoma TGLS = 4 - 9]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 7 - 16]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 30 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy Vacuolization Cytoplasmic Inflammation Cyst	Moderate Mild Minimal Minimal Minimal
Blood Vessel			
* Clitoral Gland [Cyst TGLS = 2 - 12]			
* Kidney		Mineralization Nephropathy	Minimal Mild
* Liver	Bile Duct	Clear Cell Focus Cyst Fatty Change	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy Inflammation Mixed Cell Focus Pigmentation	Mild Moderate Chronic Active, Minimal Minimal
[Clear Cell Focus TGLS = 1 - 6+7+14]			
* Lung	Alveolar Epith	Metaplasia Pigmentation	Bronchiolar, Minimal Minimal
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 349	TRT#: 6	SEX: Female	DAY ON TEST: 727
	DOSE: 30 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500349
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas	Acinus	Hyperplasia	Mild
	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 350

TRT#: 6

DOSE: 30 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 0500350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
Tooth	* Trachea	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the adrenal cortex, cecum, and thymus.			
* Bone Marrow		Hyperplasia	Moderate
* Kidney	Pelvis	Inflammation	Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
	Bile Duct	Fibrosis	Minimal
	Bile Duct	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 1,2,3 - 14+15+16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 350	TRT#: 6 DOSE: 30 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500350
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Cyst	Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Minimal
		Mineralization	Minimal
		Necrosis	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Marked
* Bone Marrow		Hyperplasia	Moderate
* Eye	Lens	Cataract	Minimal
	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
[Mixed Cell Focus TGLS = 1,2-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Squamous, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7 - 4+15+16+17]			
* Lymph Node, Mesenteric		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 351	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500351
ORGAN AND ACCOUNTABLE SITE STATUS			
* Mammary Gland [Fibroadenoma TGLS = 8-14]		Fibroadenoma	
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked
		Inflammation	Moderate
* Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 467

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Mild
	Hepatocyte	Hypertrophy	Marked
		Pigmentation	Moderate
		Toxic Hepatopathy	Minimal
[Fatty Change TGLS = 2 - 6+7+15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
[Atrophy TGLS = 4-6]			
* Salivary Glands		Atrophy	Mild
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 467 HISTO: 0500352
ORGAN AND ACCOUNTABLE SITE STATUS			
[Atrophy TGLS = 3-5]		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Glandular	* Trachea	Urethra
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
	[Eosinophilic Focus TGLS = 3-15]		
	[Hypertrophy TGLS = 2 - 5+6]		
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
	[Cystic Keratinizing Epithelioma TGLS = 4,5,6 - 16+17+18]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500353
ORGAN AND ACCOUNTABLE SITE STATUS			
Lymph Node [Lymphoma Malignant TGLS = 7-19]	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-14]		Fibroadenoma	
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Marked
	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Moderate
		Necrosis	Mild
[Hyperplasia TGLS = 8 - 20]			
* Thymus		Atrophy	Moderate
* Thyroid Gland		Inflammation	Mild
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Species/Strain: Rat/HSD

CAS Number: 14047-09-7

Lab: BAT

HISTO: 0500354

Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354	TRT#: 8	SEX: Female	DAY ON TEST: 630
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500354

ORGAN AND ACCOUNTABLE SITE STATUS

[Cystic Keratinizing Epithelioma TGLS = 5,6,7,8,9 - 4+18+19+20]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-17]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 10 - 21]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 355	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500355
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Bone	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	Tooth	* Trachea
Urethra	* Urinary Bladder		
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involved the following organs: cecum, colon.			
* Bone Marrow		Hyperplasia	Moderate
* Brain		Necrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hypertrophy	Mild
		Mixed Cell Focus	
		Necrosis	Minimal
		Pigmentation	Minimal
[Clear Cell Focus TGLS = 2 - 6+7]			
[Mixed Cell Focus TGLS = 2 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 355	TRT#: 8	SEX: Female	DAY ON TEST: 728
	DOSE: 100 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500355
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 5,6,7 - 3+15+16]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose		Inflammation	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Angiectasis	Mild
		Hydrometra	Moderate
[Hydrometra TGLS = 1-14]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 356	TRT#: 8	SEX: Female	DAY ON TEST: 314
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500356
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	* Uterus
MISSING			
* Adrenal Cortex	* Adrenal Medulla	* Heart	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mesenteric
* Pancreas	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
OBSERVATIONS			
* Bone Marrow		Hyperplasia	Moderate
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
[Eosinophilic Focus TGLS = 1,2 - 6+14]			
[Hyperplasia TGLS = 3 - 15]			
[Mixed Cell Focus TGLS = 2,3,4 - 6+7+15]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 357	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500357
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Mild
		Pigmentation	Minimal
	[Cystic Keratinizing Epithelioma TGLS = 5,6,7 - 16+17+18]		
	[Infiltration Cellular TGLS = 7 - 18]		
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Minimal
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 378

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder	* Uterus		

OBSERVATIONS

Blood Vessel	Inflammation	Marked
Note: Inflammation affects the pancreatic and mesenteric arteries.		
Note: Vascular inflammation affects the adrenal cortex, colon, heart, kidney, pancreas, fore- and glandular stomach, and thyroid gland.		
[Inflammation TGLS = 2-14]		
* Bone Marrow	Hyperplasia	Moderate
* Eye		
Note: Optic nerves missing from block and sections.		
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Moderate
[Nephropathy TGLS = 3 - 5]		
* Liver	Eosinophilic Focus	
	Hyperplasia	Minimal
	Hypertrophy	Minimal
	Pigmentation	Minimal
* Lung	Metaplasia	Bronchiolar, Minimal
* Ovary	Cyst	Minimal
* Pancreas	Atrophy	Minimal
	Inflammation	Mild
	Vacuolization Cytoplasmic	Minimal
	Hyperplasia	Minimal
* Parathyroid Gland	Hematopoietic Cell Proliferation	Moderate
* Spleen		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 378 HISTO: 0500358
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach [Hyperplasia TGLS = 4 - 15]	Epithelium	Pigmentation Hyperplasia	Minimal Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	- Blood Vessel Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the heart, pancreas, spleen, stomach, and vagina.			
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Cyst	Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Mixed Cell Focus	
		Pigmentation	Mild
[Hyperplasia TGLS = 6,7 - 15+17]			
[Mixed Cell Focus TGLS = 5,8,9 - 14+16+17]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 359	TRT#: 8	SEX: Female	DAY ON TEST: 728
	DOSE: 100 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500359
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4 - 3+4+18+19]		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 721

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* 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
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	Urethra
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Moderate
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the cecum, heart, oviduct, pancreas, and rectum.			
* Bone Marrow		Hyperplasia	Marked
* Eye	Cornea	Inflammation	Marked
[Inflammation TGLS = 1 - 10]			
* Harderian Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Cholangiocarcinoma	
		Cholangiofibrosis	Minimal
	Bile Duct	Cyst	Mild
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 721 HISTO: 0500360
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cholangiocarcinoma TGLS = 4 - 14]			
* Lung	Alveolus Alveolar Epith Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Metaplasia Pigmentation	Multiple Histiocyte, Mild Bronchiolar, Minimal Squamous, Minimal Minimal
[Cystic Keratinizing Epithelioma TGLS = 6,7,8,9,10 - 3+4+17+18+19]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3 - 15]			
Oral Mucosa	Gingival Gingival	Hyperplasia Squamous Cell Carcinoma	Cyskeratnizing, Moderate
[Squamous Cell Carcinoma TGLS = 5 - 1]			
* Pancreas	Acinus	Vacuolization Cytoplasmic Squamous Cell Carcinoma	Marked Metastatic (Oral Mucosa)
[Squamous Cell Carcinoma TGLS = 2 - 16]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Marked Mild
[Hyperplasia TGLS = 11 - 20]			
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500361
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	Urethra	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
Blood Vessel		Hypertrophy	Mild
Note: Vascular inflammation involves the oviduct and pancreas.		Inflammation	Mild
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Cyst	Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Toxic Hepatopathy	Moderate
[Eosinophilic Focus TGLS = 1 - 7+14]			
[Hyperplasia TGLS = 2 - 6+7+14]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 361	TRT#: 8	SEX: Female	DAY ON TEST: 728
	DOSE: 100 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500361
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6 - 3+4+15]		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 671

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Salivary Glands	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy	Mild Minimal
* Bone Marrow		Hyperplasia	Marked
* Eye	Cornea	Inflammation Synechia	Marked Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Liver	Bile Duct	Hyperplasia Inflammation Necrosis Pigmentation	Mild Chronic Active, Moderate Focal, Minimal Moderate
* Lung	Alveolus Alveolar Epith Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Metaplasia Pigmentation	Histiocyte, Minimal Squamous, Moderate Bronchiolar, Mild Minimal
[Cystic Keratinizing Epithelioma TGLS = 4 - 3]			
[Metaplasia TGLS = 5 - 3+4]			
* Lymph Node, Mesenteric		Atrophy Pigmentation	Lymphoid, Minimal Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 362	TRT#: 8	SEX: Female	DAY ON TEST: 671
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500362
ORGAN AND ACCOUNTABLE SITE STATUS			
* Mammary Gland [Fibroadenoma TGLS = 1,2 - 14+15]		Fibroadenoma	Multiple
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Ovary [Cyst TGLS = 3 - 11]		Cyst	Marked
* Pituitary Gland [Adenoma TGLS = 6 - 16]	Pars Distalis	Adenoma	
* Skin Note: Fibrosarcoma arising in mammary tumor.	Subcut Tiss	Fibrosarcoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 363	TRT#: 8	SEX: Female	DAY ON TEST: 727
	DOSE: 100 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	Urethra
* Urinary Bladder			

MISSING			
* Parathyroid Gland			

OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Eosinophilic Focus TGLS = 6 - 6+7+16]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Squamous, Moderate
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 8,9 - 3+4+18]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 363	TRT#: 8	SEX: Female	DAY ON TEST: 727
	DOSE: 100 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500363
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mesenteric		Atrophy	Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 14+15]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 3 - 1]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 11 - 19]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Carcinoma	
		Cyst	Mild
	Endometrium	Hyperplasia	Cystic, Marked
	Endometrium	Metaplasia	Squamous, Moderate
[Carcinoma TGLS = 5 - 16]			
[Cyst TGLS = 10 - 17]			
[Hyperplasia TGLS = 4 - 11]			
[Metaplasia TGLS = 10 - 17]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 560

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the pancreas.			
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 3 - 5]			
* Liver	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Eosinophilic Focus TGLS = 1,2 - 6+7+14+15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 560 HISTO: 0500364
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mesenteric	Alveolar Epith	Metaplasia	Squamous, Marked
* Nose		Pigmentation	Moderate
Oral Mucosa	Gingival	Inflammation	Minimal
* Ovary		Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Cyst	Minimal
* Spleen		Vacuolization Cytoplasmic	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach [Hyperplasia TGLS = 4 - 16]	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 693

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Hypertrophy	Mild Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus Eosinophilic Focus Hematopoietic Cell Proliferation	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy Inflammation	Chronic Active, Minimal
	Hepatocyte	Multinucleated Pigmentation	Minimal Minimal
[Eosinophilic Focus TGLS = 1,2 - 7+14] [Hypertrophy TGLS = 3 - 6]			
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Metaplasia Pigmentation	Bronchiolar, Minimal Minimal
[Cystic Keratinizing Epithelioma TGLS = 4 - 3+4+15]			
Oral Mucosa	Gingival Gingival	Hyperplasia Hyperplasia	Squamous, Minimal Cyskeratnizing, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 693 HISTO: 0500365
ORGAN AND ACCOUNTABLE SITE STATUS			
* Ovary		Cyst	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Hyperplasia	Squamous, Mild
Note: TGL-5 is a skin tag (acrochordon) with follicular keratosis. [Hyperplasia TGLS = 5 - 16]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 632

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
* Liver		Cholangiofibrosis	Minimal
	Bile Duct	Cyst	Mild
	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
[Eosinophilic Focus TGLS = 5,6 - 7+14+15]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 7,8,9,10 - 3+4+18+19]			
* Lymph Node, Mesenteric		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 366	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 632 HISTO: 0500366
ORGAN AND ACCOUNTABLE SITE STATUS			
* Mammary Gland [Fibroadenoma TGLS = 1 - 17]		Fibroadenoma	
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary [Cyst TGLS = 2 - 11] [Inflammation TGLS = 4 - 14]		Cyst Inflammation	Marked Marked
* Pancreas	Acinus	Atrophy Vacuolization Cytoplasmic Hematopoietic Cell Proliferation Pigmentation	Marked Moderate Mild Mild
* Spleen		Hyperplasia Inflammation Necrosis	Moderate Moderate Mild
* Stomach, Forestomach [Hyperplasia TGLS = 11 - 20]	Epithelium		
* Thymus		Atrophy	Marked
* Uterus [Squamous Cell Papilloma TGLS = 3 - 16]	Endometrium	Metaplasia Squamous Cell Papilloma	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 523

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Casts	Minimal
		Mineralization	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Moderate
		Pigmentation	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 367	TRT#: 8	SEX: Female	DAY ON TEST: 523
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500367
ORGAN AND ACCOUNTABLE SITE STATUS			
[Inflammation TGLS = 1 - 11]			
PRIMARY CAUSE OF DEATH	- Uterus Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 705

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Moderate
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Marked
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
[Eosinophilic Focus TGLS = 7 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 5,6 - 17+18]			
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 705 HISTO: 0500368
ORGAN AND ACCOUNTABLE SITE STATUS			
[Fibroadenoma TGLS = 1,2 - 14+16]			
* Nose		Inflammation	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 4 - 11]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 3 - 15]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Adenomyosis	Mild
	Endometrium	Metaplasia	Squamous, Marked
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500369
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the heart.			
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Mixed Cell Focus	
		Pigmentation	Mild
[Eosinophilic Focus TGLS = 4,5,6 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369		TRT#: 8	SEX: Female	DAY ON TEST: 728
		DOSE: 100 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500369
ORGAN AND ACCOUNTABLE SITE STATUS				
[Cystic Keratinizing Epithelioma TGLS = 7,8 - 3+16]				
* Lymph Node, Mesenteric			Pigmentation	Minimal
* Mammary Gland			Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2 - 14+15]				
Oral Mucosa	Gingival		Hyperplasia	Cyskeratnizing, Minimal
* Ovary			Cyst	Moderate
[Cyst TGLS = 3 - 11]				
* Pancreas	Acinus		Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis		Adenoma	
* Spleen			Hematopoietic Cell Proliferation	Mild
			Pigmentation	Minimal
* Stomach, Forestomach	Epithelium		Hyperplasia	Mild
* Thymus			Atrophy	Marked
* Uterus	Endometrium		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 616

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia Necrosis Vacuolization Cytoplasmic	Mild Mild Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration Fatty Change Hematopoietic Cell Proliferation	Mild Diffuse, Moderate Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Marked
		Toxic Hepatopathy	Moderate
[Necrosis TGLS = 3 - 6+7+14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370	TRT#: 8	SEX: Female	DAY ON TEST: 616
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500370
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Pigmentation	Minimal
* Pancreas	Acinus	Squamous Cell Carcinoma	Multiple
* Pituitary Gland	Pars Distalis	Vacuolization Cytoplasmic	Minimal
* Skin		Hyperplasia	Minimal
[Cyst Epithelial Inclusion TGLS = 1 - 15]		Cyst Epithelial Inclusion	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 5 - 16]		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 4 - 15]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 371	TRT#: 8	SEX: Female	DAY ON TEST: 558
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	Tooth
* Trachea	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Inflammation	Marked
Note: Vascular inflammation involves colon, mesentery (B14), pancreas, spleen, stomach (glandular), and vagina.			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Cystic Keratinizing Epithelioma TGLS = 3,4 - 3+4]			
Mesentery		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1 - 14]			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
	Gingival	Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 371	TRT#: 8	SEX: Female	DAY ON TEST: 558
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500371
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
	Zona Fascult	Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
[Hyperplasia TGLS = 2 - 14]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6 - 3+16+17+18]			
* Lymph Node, Mandibular		Atrophy	Moderate
* Ovary		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 684 HISTO: 0500372
ORGAN AND ACCOUNTABLE SITE STATUS			
[Inflammation TGLS = 1 - 15]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Moderate
[Hyperplasia TGLS = 7 - 19]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 373	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500373
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the pancreas, stomach (glandular), and vagina.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Multinucleated	Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 1,2 - 7+14]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 373	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500373
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolar Epith	Inflammation	Chronic Active, Minimal
	Alveolar Epith	Metaplasia	Squamous, Minimal
		Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 3,4 - 15+16]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Ovary		Cyst	Minimal
* Pancreas		Atrophy	Moderate
		Inflammation	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 5 - 9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 6 - 17]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Mild
		Polyp Stromal	
Vagina	Epithelium	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 608

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
Tooth	* Trachea	Urethra	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Cholangiofibrosis	Minimal
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 7 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
	Alveolar Epith	Metaplasia	Squamous, Marked
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4 - 3+14+15+16]			
[Infiltration Cellular TGLS = 5 - 4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 608 HISTO: 0500374
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pituitary Gland [Adenoma TGLS = 6 - 9]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Stomach, Forestomach [Hyperplasia TGLS = 8 - 17]	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Inflammation Metaplasia Polyp Stromal	Minimal Squamous, Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 718

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the cecum.			
* Bone Marrow		Hyperplasia	Minimal
* Intestine Large, Cecum		Necrosis	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Moderate
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 1,2,3,4 - 3+14+15]			
* Lymph Node, Mesenteric		Atrophy	Marked
		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 375	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 718 HISTO: 0500375
ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas		Atrophy	Marked
* Salivary Glands		Atrophy	Moderate
	Duct	Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 5 - 16]	Epithelium	Hyperplasia	Marked
* Thymus		Atrophy	Marked
* Uterus		Angiectasis	Mild
	Endometrium	Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 658

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Cholangiocarcinoma	
	Bile Duct	Cyst	Minimal
	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Pigmentation	Mild
[Cholangiocarcinoma TGLS = 3 - 15]			
[Eosinophilic Focus TGLS = 2 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
[Cystic Keratinizing Epithelioma TGLS = 5 - 4+17+18+19+20]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,4 - 14+16]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 376	TRT#: 8	SEX: Female	DAY ON TEST: 658
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500376
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 6 - 21]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Esophagus
* Intestine Large, Colon
* Intestine Small, Jejunum
* Nose
* Thyroid Gland
* Urinary Bladder

* Bone
* Eye
* Intestine Large, Rectum
* Islets, Pancreatic
* Salivary Glands
Tooth

* Brain
* Harderian Gland
* Intestine Small, Duodenum
* Lymph Node, Mandibular
* Skin
* Trachea

* Clitoral Gland
* Intestine Large, Cecum
* Intestine Small, Ileum
* Mammary Gland
* Stomach, Glandular
Urethra

OBSERVATIONS

* Adrenal Cortex

Zona Fascult

Degeneration
Hyperplasia
Hypertrophy
Inflammation

Minimal
Minimal
Minimal
Moderate

Blood Vessel

Note: Vascular inflammation involves mesentery (B18) and pancreas.

[Inflammation TGLS = 8 - 18]

* Bone Marrow
* Heart
* Kidney
* Liver

Hyperplasia
Cardiomyopathy
Nephropathy
Eosinophilic Focus
Fatty Change
Hematopoietic Cell Proliferation
Hyperplasia
Hyperplasia
Hyperplasia
Hypertrophy
Mixed Cell Focus
Multinucleated
Pigmentation
Toxic Hepatopathy

Marked
Minimal
Mild

Focal, Minimal
Minimal
Moderate
Mild
Nodular
Moderate

Minimal
Minimal
Mild

[Eosinophilic Focus TGLS = 2,7 - 15+18]

[Hyperplasia TGLS = 5,6 - 14+17]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 377	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500377
ORGAN AND ACCOUNTABLE SITE STATUS			
[Mixed Cell Focus TGLS = 4,7 - 16+18]			
* Lung	Alveolus Alveolar Epith Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Metaplasia Pigmentation	Multiple Histiocyte, Mild Squamous, Marked Bronchiolar, Mild Minimal
[Cystic Keratinizing Epithelioma TGLS = 1,10 - 3+19]			
[Metaplasia TGLS = 9 - 4]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Cyskeratinizing, Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 3 - 11]			
* Pancreas	Acinus	Inflammation Vacuolization Cytoplasmic	Minimal Moderate
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium Endometrium	Hyperplasia Metaplasia	Cystic, Minimal Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 401

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Marked
	Pelvis	Inflammation	Mild
		Inflammation	Diffuse, Moderate
[Infarct TGLS = 1 - 5]			
[Inflammation TGLS = 2 - 5]			
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Atrophy	Marked
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Marked
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 378	TRT#: 8	SEX: Female	DAY ON TEST: 401
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500378
ORGAN AND ACCOUNTABLE SITE STATUS			
[Hypertrophy TGLS = 3 - 9]			
PRIMARY CAUSE OF DEATH	- Kidney Infarct		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Degeneration Hyperplasia Vacuolization Cytoplasmic	Mild Moderate Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia Nephropathy	Minimal Minimal
* Liver		Clear Cell Focus Eosinophilic Focus Hematopoietic Cell Proliferation	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hyperplasia Hypertrophy Inflammation Mixed Cell Focus Pigmentation Toxic Hepatopathy	Minimal Moderate Chronic Active, Minimal Minimal Minimal
[Eosinophilic Focus TGLS = 7 - 6+7+15]			
* Lung		Cystic Keratinizing Epithelioma Inflammation	Multiple Chronic Active, Minimal
	Alveolar Epith	Metaplasia	Squamous, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 379	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500379
ORGAN AND ACCOUNTABLE SITE STATUS			
[Cystic Keratinizing Epithelioma TGLS = 1,2,3 - 3+4+14]		Pigmentation	Minimal
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Ovary		Cyst	Mild
[Cyst TGLS = 5 - 11]			
Oviduct		Inflammation	Moderate
[Inflammation TGLS = 4 - 11]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 8 - 16]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
[Metaplasia TGLS = 6 - 15]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 693

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Atrophy	Marked
* Heart		Dilatation	Moderate
		Thrombosis	Mild
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Cyst	Minimal
	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
* Lung	Artery	Hypertrophy	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Marked
		Inflammation	Chronic Active, Mild
[Infiltration Cellular TGLS = 2 - 3+4]			
* Lymph Node, Mandibular		Atrophy	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 380	TRT#: 8	SEX: Female	DAY ON TEST: 693
	DOSE: 100 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500380
ORGAN AND ACCOUNTABLE SITE STATUS			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 3 - 14]			
* Thymus		Atrophy	Marked
	Vein	Thrombosis	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Heart Dilatation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 725

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Mild
		Hypertrophy	Minimal
		Thrombosis	Minimal
Blood Vessel		Inflammation	Moderate
		Thrombosis	Moderate
Note: Vascular inflammation involves the heart, kidney, and mesentery (B17). [Inflammation TGLS = 7 - 17]			
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 725 HISTO: 0500381
ORGAN AND ACCOUNTABLE SITE STATUS			
[Eosinophilic Focus TGLS = 4,5 - 6+7] [Mixed Cell Focus TGLS = 4 - 6]			
* Lung	Alveolus	Cystic Keratinizing Epithelioma Infiltration Cellular Pigmentation	Multiple Histiocyte, Mild Minimal
[Cystic Keratinizing Epithelioma TGLS = 1,2,3 - 14+15+16]			
* Lymph Node, Mesenteric		Atrophy	Mild
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Marked
[Hyperplasia TGLS = 6 - 18]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia Squamous Cell Papilloma	Marked Multiple
[Hyperplasia TGLS = 8 - 19]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 679

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	Tooth	* Trachea	Urethra
* Urinary Bladder			

OBSERVATIONS

Blood Vessel		Mineralization	Minimal
Note: Vascular mineralization involves the glandular stomach.			
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Marked
	Renal Tubule	Necrosis	Moderate
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Marked
		Eosinophilic Focus	
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
[Eosinophilic Focus TGLS = 3 - 6+7]			
[Hepatodiaphragmatic Nodule TGLS = 2 - 14]			
* Lung		Cystic Keratinizing Epithelioma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 679 HISTO: 0500382
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 4,5 - 4+15]			
Lymph Node	Popliteal	Inflammation	Chronic Active, Marked
	Popliteal	Necrosis	Moderate
[Inflammation TGLS = 6 - 16]			
* Lymph Node, Mesenteric		Atrophy	Mild
		Pigmentation	Mild
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Pancreas		Atrophy	Marked
		Inflammation	Marked
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Squamous Cell Papilloma	
[Hyperplasia TGLS = 8 - 17]			
* Thymus		Atrophy	Marked
* Uterus		Inflammation	Marked
[Inflammation TGLS = 1 - 11]			
PRIMARY CAUSE OF DEATH	- Uterus Inflammation		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 705

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Mild
	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	
		Fatty Change	Diffuse, Mild
		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate

[Cholangiocarcinoma TGLS = 4 - 14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 705 HISTO: 0500383
ORGAN AND ACCOUNTABLE SITE STATUS			
[Eosinophilic Focus TGLS = 2-18, 3-19] [Fibrosis TGLS = 1 - 6+7+14+18+19]			
* Lung	Alveolar Epith	Cystic Keratinizing Epithelioma Metaplasia	Multiple Squamous, Marked
[Cystic Keratinizing Epithelioma TGLS = 7 - 4+17+20]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 5,6 - 15+16]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 8 - 14]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
		Inflammation	Granulomatous, Moderate
Note: Inflammation surrounds keratin from epitheliomas in the lung, acting as a foreign body. [Inflammation TGLS = 9 - 3]			
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		
CONTRIBUTORY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 384	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500384
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	Tooth	* Trachea	Urethra
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Minimal
Blood Vessel		Inflammation	Mild
Note: Vascular inflammation involves the heart and pancreas.			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Cholangiofibrosis	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Toxic Hepatopathy	Moderate
[Mixed Cell Focus TGLS = 4,5 - 6+7+16]			
* Lung		Cystic Keratinizing Epithelioma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 384	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500384
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 1,2,3 - 4+14+15]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Hyperplasia	Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500385
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
Tooth	* Trachea	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 1 - 9]			
Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the heart, kidney (B16), and pancreas.			
[Inflammation TGLS = 5 - 16]			
* Bone Marrow		Hyperplasia	Moderate
* Kidney	Cortex	Cyst	Mild
	Pelvis, Transit Epithe	Hyperplasia	Moderate
		Infarct	Moderate
	Pelvis	Inflammation	Mild
	Papilla	Necrosis	Mild
		Nephropathy	Mild
[Cyst TGLS = 4 - 16]			
* Liver		Angiectasis	Mild
	Bile Duct	Cyst	Minimal
		Eosinophilic Focus	
		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500385
ORGAN AND ACCOUNTABLE SITE STATUS			
	Hepatocyte	Hypertrophy Inflammation Mixed Cell Focus	Marked Chronic Active, Mild
	Hepatocyte	Multinucleated Pigmentation Toxic Hepatopathy	Mild Moderate Marked
[Eosinophilic Focus TGLS = 3 - 15] [Hepatocellular Adenoma TGLS = 2 - 14]			
* Lung	Alveolus Alveolar Epith Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Metaplasia Pigmentation	Multiple Histocyte, Mild Bronchiolar, Mild Squamous, Marked Mild
[Cystic Keratinizing Epithelioma TGLS = 6,7 - 3+17+18]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
Urethra	Transit Epithel	Hyperplasia	Marked
* Urinary Bladder		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
	Zona Fascult	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Minimal
Note: Vascular inflammation involves the heart.			
* Bone Marrow		Hyperplasia	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
		Cholangiofibrosis	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate

[Eosinophilic Focus TGLS = 4,5- 16+17]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386		TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 0500386
ORGAN AND ACCOUNTABLE SITE STATUS				
[Mixed Cell Focus TGLS = 3 - 15]				
* Lung	Alveolus Alveolar Epith Alveolar Epith	Cystic Keratinizing Epithelioma Infiltration Cellular Metaplasia Metaplasia Pigmentation	Multiple Histiocyte, Mild Squamous, Minimal Bronchiolar, Moderate Minimal	
[Cystic Keratinizing Epithelioma TGLS = 6,7 - 3+4+18+19]				
* Lymph Node, Mesenteric		Pigmentation	Mild	
* Mammary Gland		Hyperplasia Inflammation	Minimal Moderate	
[Inflammation TGLS = 2 - 14]				
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate	
[Hyperplasia TGLS = 1 - 9]				
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild	
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked	
[Hyperplasia TGLS = 8 - 20]				
* Thymus		Atrophy	Marked	
* Uterus	Endometrium Endometrium	Hyperplasia Metaplasia Polyp Stromal	Cystic, Minimal Squamous, Mild	
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 551 HISTO: 0500387
ORGAN AND ACCOUNTABLE SITE STATUS			
NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	* Uterus
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Multinucleated	Minimal
* Nose		Inflammation	Moderate
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2 - 1]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
[Atrophy TGLS = 1 - 5]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 3 - 14]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 551 HISTO: 0500387
ORGAN AND ACCOUNTABLE SITE STATUS			
PRIMARY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 632

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea			

OBSERVATIONS

Blood Vessel		Inflammation	Moderate
Note: Vascular inflammation involves the cecum, heart, pancreas, and spleen.			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis	Dilatation	Moderate
	Papilla	Necrosis	Mild
		Nephropathy	Mild
[Dilatation TGLS = 5 - 5]			
* Liver		Cholangiofibrosis	Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 6 - 6+7]			
[Hyperplasia TGLS = 6 - 7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 632 HISTO: 0500388
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
		Pigmentation	Minimal
	[Cystic Keratinizing Epithelioma TGLS = 7 - 17]		
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Marked
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2 - 14+15]		
* Ovary		Necrosis	Minimal
* Pancreas		Inflammation	Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 8 - 18]			
* Thymus		Atrophy	Marked
Urethra	Transit Epithe	Metaplasia	Squamous, Minimal
* Urinary Bladder		Carcinoma	Metastatic (Uterus)
* Uterus	Endometrium	Carcinoma	
		Hemorrhage	Moderate
[Carcinoma TGLS = 4 - 16]			
[Hemorrhage TGLS = 3 - 11]			
PRIMARY CAUSE OF DEATH	- Uterus Endometrium Carcinoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 389

TRT#: 8

DOSE: 100 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 481

HISTO: 0500389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
	Renal Tubule	Necrosis	Minimal
* Liver	Centrilobular	Degeneration	Mild
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Marked
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Mild
[Necrosis TGLS = 2 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 3 - 14]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 481 HISTO: 0500389
ORGAN AND ACCOUNTABLE SITE STATUS			
* Stomach, Forestomach [Hyperplasia TGLS = 4 - 15]	Epithelium	Pigmentation Hyperplasia	Mild Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver Toxic Hepatopathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 590

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
Tooth	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Adenoma	
[Adenoma TGLS = 5 - 9]			
* Bone Marrow		Hyperplasia	Moderate
		Myelofibrosis	Mild
* Heart		Schwannoma Malignant	
		Thrombosis	Moderate
[Schwannoma Malignant TGLS = 6 - 15]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	
		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
		Inflammation	Chronic Active, Mild
	Hepatocyte	Multinucleated	Mild
		Necrosis	Focal, Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Moderate
[Eosinophilic Focus TGLS = 4 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 390	TRT#: 8	SEX: Female	DAY ON TEST: 590
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500390
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Pigmentation	Minimal
		Schwannoma Malignant	Metastatic (Heart)
[Cystic Keratinizing Epithelioma TGLS = 7 - 16]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Inflammation	Moderate
Note: TGL-2, ovarian cyst, was a dilated ovarian bursa secondary to the lesion in the oviduct.			
Oviduct		Inflammation	Marked
[Inflammation TGLS = 1 - 14]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Parathyroid Gland		Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
		Squamous Cell Papilloma	
[Hyperplasia TGLS = 8 -17]			
* Thymus		Atrophy	Marked
* Trachea		Schwannoma Malignant	Metastatic (Heart)
* Uterus	Endometrium	Metaplasia	Squamous, Mild
		Sarcoma Stromal	
Vagina		Sarcoma Stromal	Metastatic (Uterus)
PRIMARY CAUSE OF DEATH	- Oviduct Inflammation		
CONTRIBUTORY CAUSE OF DEATH	- Heart Schwannoma Malignant		
Animal Note: The schwannoma in lung (pleura) and peritracheal tissue is invasive from the heart.			

* PROTOCOL REQUIRED TISSUE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 391	TRT#: 8	SEX: Female	DAY ON TEST: 727
	DOSE: 100 MG/KG	DISP: Terminal Sacrifice	HISTO: 0500391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	Tooth	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

Organ	Lesion	Frequency	Severity
* Adrenal Cortex	Zona Fasciculata	Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Mild
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
	[Eosinophilic Focus TGLS = 4,5,6 - 6+7+16]		
	[Mixed Cell Focus TGLS = 4,5 - 16]		
* Lung		Cystic Keratinizing Epithelioma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 391	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500391
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 7,8 - 3+4+18]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
	Gingival	Squamous Cell Carcinoma	
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 9 - 19]			
* Thymus		Atrophy	Marked
* Uterus		Cyst	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	Endometrium	Metaplasia	Squamous, Marked
		Polyp Stromal	
Note: Uterine mass is due to extensive squamous metaplasia and cystic endometrial hyperplasia.			
[Cyst TGLS = 3 - 17]			
[Hyperplasia TGLS = 2 - 15]			
[Metaplasia TGLS = 2,3- 15+17]			
Vagina		Fibrosis	Moderate
		Hyperplasia	Squamous, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 392	TRT#: 8	SEX: Female	DAY ON TEST: 689
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500392

ORGAN AND ACCOUNTABLE SITE STATUS

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

MISSING			
* Parathyroid Gland			

OBSERVATIONS			
* Adrenal Cortex		Degeneration	Marked
		Inflammation	Mild
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Marked
[Degeneration TGLS = 7 - 9]			
* Bone Marrow		Hyperplasia	Minimal
* Heart		Inflammation	Mild
		Necrosis	Mild
		Thrombosis	Moderate
* Kidney		Inflammation	Diffuse, Mild
		Mineralization	Minimal
	Renal Tubule	Necrosis	Mild
		Nephropathy	Minimal
		Thrombosis	Mild
[Inflammation TGLS = 8 - 5]			
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 392	TRT#: 8	SEX: Female	DAY ON TEST: 689
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500392
ORGAN AND ACCOUNTABLE SITE STATUS			
		Fatty Change	Diffuse, Minimal
		Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked
[Eosinophilic Focus TGLS = 2,3,4,5,6 - 6+7+14+15+16]			
[Hyperplasia TGLS = 6-16]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Thrombosis	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 17]			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach		Cyst	Moderate
	Epithelium	Hyperplasia	Mild
[Cyst TGLS = 9 - 18]			
[Hyperplasia TGLS = 9 - 18]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Heart Thrombosis		
CONTRIBUTORY CAUSE OF DEATH	- Liver Toxic Hepatopathy		
Animal Note: The thrombus in the heart is septic and has embolized to kidneys and lungs.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	Urethra	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Mild
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Eosinophilic Focus TGLS = 2,3 - 6+7+15]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Pigmentation	Minimal
[Cystic Keratinizing Epithelioma TGLS = 5,6,7,8,9 - 4+16+17+18+19]			
* Lymph Node, Mandibular		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 684 HISTO: 0500393
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland [Fibroadenoma TGLS = 1 - 14]		Fibroadenoma	
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Cyst	Mild
	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Adenoma	
		Hyperplasia	Moderate
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Marked
		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild
[Cyst TGLS = 2 - 16]			
[Eosinophilic Focus TGLS = 3 - 6+7+16+18]			
* Lung		Cystic Keratinizing Epithelioma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500394
ORGAN AND ACCOUNTABLE SITE STATUS			
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 4,5,6,7,8 - 4+15+17+20]			
* Lymph Node, Mesenteric		Pigmentation	Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,9 - 14+19]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
	Gingival	Hyperplasia	Cyskeratnizing, Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 395	TRT#: 8	SEX: Female	DAY ON TEST: 649
	DOSE: 100 MG/KG	DISP: Moribund Sacrifice	HISTO: 0500395

ORGAN AND ACCOUNTABLE SITE STATUS

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

MISSING
Urethra

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 9 - 5]			
* Liver		Eosinophilic Focus	
		Fatty Change	Focal, Mild
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Eosinophilic Focus TGLS = 8 - 20]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 649 HISTO: 0500395
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ORGAN AND ACCOUNTABLE SITE STATUS

[Cystic Keratinizing Epithelioma TGLS = 3,4,5,6,7 - 3+14+17+18+19]			
* Lymph Node, Mesenteric		Atrophy Pigmentation Fibroadenoma	Lymphoid, Minimal Mild
* Mammary Gland			
[Fibroadenoma TGLS = 2 - 16]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 10 - 21]			
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
Vagina		Inflammation	Marked

Note: This "mass" (TGL-15) represents edematous tissue characteristic of a vaginal prolapse that has been abraded and become inflamed.

[Inflammation TGLS = 1 - 15]

PRIMARY CAUSE OF DEATH	- Vagina Inflammation
CONTRIBUTORY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 536

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 3 - 6+7+15]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Stomach, Forestomach		Cyst	Marked
	Epithelium	Hyperplasia	Marked
[Cyst TGLS = 5 - 17]			
[Hyperplasia TGLS = 4,5 - 16+17]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 536 HISTO: 0500396
ORGAN AND ACCOUNTABLE SITE STATUS			
* Uterus [Metaplasia TGLS = 2 - 11]	Endometrium	Metaplasia	Squamous, Marked
PRIMARY CAUSE OF DEATH	- Uterus Endometrium Metaplasia		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0500397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Hyperplasia	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Hyperplasia TGLS = 2 - 14]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
[Cystic Keratinizing Epithelioma TGLS = 3,4 - 3+15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 0500397
ORGAN AND ACCOUNTABLE SITE STATUS			
* Lymph Node, Mesenteric	Fat	Pigmentation	Minimal
Mesentery [Necrosis TGLS = 1 - 16]		Necrosis	Marked
* Nose		Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
	Epithelium	Pigmentation	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 5 - 17]		Hyperplasia	Moderate
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 617

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Pigmentation	Minimal
[Eosinophilic Focus TGLS = 3 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Squamous, Moderate
[Cystic Keratinizing Epithelioma TGLS = 1,2,5 - 3+4+14]			
* Lymph Node, Mesenteric		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6 - 15]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 4 - 1]			
* Ovary		Cyst	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 398	TRT#: 8	SEX: Female	DAY ON TEST: 617
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500398
ORGAN AND ACCOUNTABLE SITE STATUS			
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Moderate
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/22/2014

Time Report Requested: 18:46:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0500399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Casts	Minimal
* Liver		Fatty Change	Focal, Mild
		Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Marked
		Toxic Hepatopathy	Moderate
[Necrosis TGLS = 1 - 6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Marked
		Pigmentation	Mild
[Cystic Keratinizing Epithelioma TGLS = 2,3,4,5,6 - 4+14+15+16+17]			
Oral Mucosa	Gingival	Hyperplasia	Cyskeratnizing, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 399	TRT#: 8	SEX: Female	DAY ON TEST: 684
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: 0500399
ORGAN AND ACCOUNTABLE SITE STATUS			
[Hyperplasia TGLS = 7 - 1]			
* Ovary		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
[Hyperplasia TGLS = 8,9 - 18+19]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 588

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0500400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	Tooth
* Trachea	Urethra	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic Active, Mild
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 4 - 16]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
	Alveolar Epith	Metaplasia	Squamous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 3 - 3+4+17+18]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1 - 14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88148-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/22/2014
Time Report Requested: 18:46:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400	TRT#: 8 DOSE: 100 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 588 HISTO: 0500400
ORGAN AND ACCOUNTABLE SITE STATUS			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary	Gingival	Hyperplasia	Cyskeratnizing, Mild
[Inflammation TGLS = 2 - 15]		Inflammation	Marked
* Pancreas		Atrophy	Mild
	Acinus	Vacuolization Cytoplasmic	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 5 - 19]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Metaplasia	Squamous, Marked
PRIMARY CAUSE OF DEATH	- Ovary Inflammation		
CONTRIBUTORY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma		

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE