

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

C Number:	C88149
Lock Date:	01/19/1994
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-1

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Preputial Gland

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Interstitialium	Inflammation	Chronic, Mild
* Thyroid Gland		Ultimobranchial Cyst	Focal, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB178G-2

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Interstitial	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 3	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-3
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--------------|----------------------|----------------------|
| * Blood Vessel | | | |
| Note: AORTA IS NORMAL. | | | |
| * Heart | Myocardium | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Lung | Interstitial | Inflammation | Chronic, Mild |
| Mesentery | Fat | Necrosis | Mild |
| [Necrosis TGLS = 1-12] | | | |
| * Preputial Gland | | Inflammation | Chronic Active, Mild |
| * Thyroid Gland | | Ultimobranchial Cyst | Focal, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-4

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: MB178G-5

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lung		Hemorrhage	Focal, Minimal
	Interstitial	Inflammation	Chronic, Mild
* Stomach, Glandular	Epithelium	Inflammation	Acute, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-6

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Interstitialium	Inflammation	Chronic, Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 7	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-7
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lung	Interstitialium	Inflammation	Chronic, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Thymus		Hemorrhage	Mild
[Hemorrhage TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 8	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-8
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|--------------|------------------------------|---------------------|
| * Blood Vessel
Note: AORTA IS NORMAL. | | | |
| * Heart | Myocardium | Cardiomyopathy
Hemorrhage | Mild
Focal, Mild |
| * Kidney | | Nephropathy | Minimal |
| * Lung | Interstitial | Inflammation | Chronic, Minimal |
| * Lymph Node, Mandibular
[Hemorrhage TGLS = 1-2] | | Hemorrhage | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-9

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Thymus		Hemorrhage	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-10

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 11	TRT#: 2 DOSE: 0.1MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 178G-11
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Spleen	Stomach, Forestomach	Thymus
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 12	TRT#: 2 DOSE: 0.1MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 178G-12
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Spleen	Stomach, Forestomach	Thymus
OBSERVATIONS			
Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 13	TRT#: 2 DOSE: 0.1MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 178G-13
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Spleen	Stomach, Forestomach	Thymus
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 14	TRT#: 2 DOSE: 0.1MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-14
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen	Stomach, Forestomach	Thymus
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-12]		
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 15	TRT#: 2 DOSE: 0.1MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 178G-15
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Spleen	Stomach, Forestomach	Thymus
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 16

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 0.1MG/KG

DISP: Terminal Sacrifice

HISTO: 178G-16

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Spleen

Stomach, Forestomach

Thymus

OBSERVATIONS

Kidney

Nephropathy

Minimal

Lung

Interstitialium

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 17	TRT#: 2 DOSE: 0.1MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 178G-17
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Spleen	Stomach, Forestomach	Thymus
OBSERVATIONS			
Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 18	TRT#: 2 DOSE: 0.1MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 178G-18
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Spleen	Stomach, Forestomach	Thymus
OBSERVATIONS			
Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 19	TRT#: 2	SEX: Male	DAY ON TEST: 92
	DOSE: 0.1MG/KG	DISP: Terminal Sacrifice	HISTO: MB178G-19

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Stomach, Forestomach
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal
Spleen		Accessory Spleen	
[Accessory Spleen TGLS = 1-12]			
Thymus		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 20	TRT#: 2 DOSE: 0.1MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-20
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen	Stomach, Forestomach	Thymus
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-8]		
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 21	TRT#: 3 DOSE: 1 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-21
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 22	TRT#: 3 DOSE: 1 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-22
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 23	TRT#: 3 DOSE: 1 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-23
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver Thymus	Lymph Node, Mandibular	Spleen	Stomach, Forestomach
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 24	TRT#: 3 DOSE: 1 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-24
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart	Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric
Spleen	Thymus		

OBSERVATIONS

Kidney		Nephropathy	Mild
Lung	Interstitialium	Inflammation	Chronic, Minimal
Spleen			

Note: ACCESSORY STRUCTURE NOT FOUND IN WET TISSUE. TGL 1-NST

Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 25	TRT#: 3 DOSE: 1 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-25
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Lung	Interstitial	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 26	TRT#: 3 DOSE: 1 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-26
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Lung	Interstitial	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 27	TRT#: 3 DOSE: 1 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-27
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver Thymus	Lymph Node, Mesenteric	Spleen	Stomach, Forestomach
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mandibular		Hemorrhage	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 28	TRT#: 3 DOSE: 1 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-28
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver Thymus	Lymph Node, Mesenteric	Spleen	Stomach, Forestomach
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 29	TRT#: 3 DOSE: 1 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-29
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver Thymus	Lymph Node, Mesenteric	Spleen	Stomach, Forestomach
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 30	TRT#: 3 DOSE: 1 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-30
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung		Hemorrhage	Minimal
	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 31	TRT#: 4 DOSE: 3 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-31
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart	Liver	Spleen
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OBSERVATIONS

Kidney		Nephropathy	Mild
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mandibular		Hemorrhage	Minimal
Lymph Node, Mesenteric		Atrophy	Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 32	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 3 MG/KG	DISP: Terminal Sacrifice	HISTO: MB178G-32

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Lung	Interstitialium	Inflammation	Chronic, Mild
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 33	TRT#: 4 DOSE: 3 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-33
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach			

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Lung	Interstitialium	Inflammation	Chronic, Moderate
Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 34	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 3 MG/KG	DISP: Terminal Sacrifice	HISTO: MB178G-34

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach			

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal
Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 35	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 3 MG/KG	DISP: Terminal Sacrifice	HISTO: MB178G-35

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Mild
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 36	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 3 MG/KG	DISP: Terminal Sacrifice	HISTO: MB178G-36

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Spleen	Stomach, Forestomach
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung		Hemorrhage	Focal, Minimal
	Interstitial	Inflammation	Chronic, Mild
Lymph Node, Mandibular		Hemorrhage	Minimal
		Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal
Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 37	TRT#: 4	SEX: Male	DAY ON TEST: 92
	DOSE: 3 MG/KG	DISP: Terminal Sacrifice	HISTO: MB178G-37

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach			

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal
Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 38	TRT#: 4 DOSE: 3 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-38
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart	Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric
Spleen			

OBSERVATIONS

Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 39	TRT#: 4 DOSE: 3 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-39
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver			
Note: TGL 1-NCL			
Lung	Interstitialium	Inflammation	Chronic, Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 40	TRT#: 4 DOSE: 3 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-40
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
Thymus			

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Lung		Hemorrhage	Focal, Minimal
	Interstitialium	Inflammation	Chronic, Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 41

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-41

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Lymph Node, Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach, Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver	Centrilobular, Hepatocyte	Degeneration	Minimal
	Hepatocyte, Periportal	Hypertrophy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Inflammation	Granulomatous, Focal, Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
Testes	Germinal Epith	Atrophy	Marked
		Inflammation	Granulomatous, Moderate
Note: THE LESION OF THE TESTES REPRESENTS A SPERMATIC GRANULOMA.			
[Inflammation TGLS = 1-9]			
Thymus	Thymocyte	Atrophy	Moderate
[Atrophy TGLS = 2-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 42

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-42

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Lymph Node, Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach, Glandular
Testes	Thyroid Gland	Urinary Bladder	

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Kidney		Nephropathy	Mild
Liver	Centrilobular, Hepatocyte	Degeneration	Minimal
Lung	Artery	Inflammation	Chronic Active, Minimal
	Interstitium	Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Inflammation	Chronic, Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
Thymus	Thymocyte	Atrophy	Marked
Trachea	Epithelium	Hyperplasia	Minimal
		Inflammation	Acute, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 43

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-43

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Liver
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach, Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Kidney		Nephropathy	Mild
Lung		Hemorrhage	Focal, Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 44

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-44

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Liver	Lymph Node, Mandibular
Lymph Node, Mesenteric	Mammary Gland	Nose	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach, Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Lung		Hemorrhage	Focal, Mild
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Cyst	Focal, Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
Thymus	Thymocyte	Atrophy	Moderate
Note: TGL 1-NCL			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 45

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-45

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Liver
Lymph Node, Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Testes	Trachea
Urinary Bladder			

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Kidney		Nephropathy	Mild
Lung		Hemorrhage	Focal, Mild
	Interstitialium	Inflammation	Chronic, Mild
Lymph Node, Mesenteric		Atrophy	Minimal
Thymus	Thymocyte	Atrophy	Marked
Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 46

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Accidentally Killed

HISTO: MB178G-46

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Centrilobular, Hepatocyte	Degeneration	Mild
Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitialium	Inflammation	Chronic, Mild
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1- NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 47

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Accidentally Killed

HISTO: MB178G-47

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Heart	Myocardium	Cardiomyopathy	Mild
Intestine Large, Rectum	Epithelium	Hemorrhage	Mild
Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Mild
Liver	Centrilobular, Hepatocyte	Degeneration	Minimal
Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitialium	Inflammation	Chronic, Moderate
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 48

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-48

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Lymph Node, Mesenteric	Nose
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach, Glandular	Testes	Trachea	Urinary Bladder

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Centrilobular, Hepatocyte	Degeneration	Minimal
Lung	Artery	Inflammation	Chronic Active, Minimal
	Interstitium	Inflammation	Chronic, Minimal
	Bronchus	Necrosis	Moderate
Lymph Node, Mandibular		Atrophy	Minimal
Mammary Gland	Duct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Focal, Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
Thymus	Thymocyte	Atrophy	Marked
Thyroid Gland		Ultimobranchial Cyst	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 49

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-49

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Liver	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach, Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver			
Note: TGL 1-NCL			
Lung	Interstitial	Inflammation	Chronic, Mild
Lymph Node, Mandibular		Atrophy	Minimal
Lymph Node, Mesenteric		Atrophy	Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
Thymus	Thymocyte	Atrophy	Moderate
Thyroid Gland		Ultimobranchial Cyst	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 50

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-50

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Lymph Node, Mandibular
Lymph Node, Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Mild
Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung	Interstitialium	Inflammation	Chronic, Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
Thymus	Thymocyte	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 51

TRT#: 6

SEX: Male

DAY ON TEST: 46

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: MB178G-51

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-7]			
* Liver	Centrilobular, Hepatocyte	Degeneration	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: TGL 2-NCL			
* Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitialium	Inflammation	Chronic, Mild
[Inflammation TGLS = 1-6]			
* Preputial Gland		Atrophy	Mild
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Moderate
* Thymus	Thymocyte	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 52

TRT#: 6

SEX: Male

DAY ON TEST: 45

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: MB178G-52

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular, Hepatocyte	Degeneration	Marked
		Hematopoietic Cell Proliferation	Moderate
[Degeneration TGLS = 1-8]			
* Lung	Artery	Inflammation	Chronic Active, Moderate
	Interstitialium	Inflammation	Chronic, Mild
[Inflammation TGLS = 3-6]			
* Preputial Gland		Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
* Testes	Bilateral, Germinal Epith	Degeneration	Mild
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland		Ultimobranchial Cyst	Focal, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: BLOOD APPEARS LIGHT, THIN AND WATERY, TGL 2-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 53

TRT#: 6

SEX: Male

DAY ON TEST: 45

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: MB178G-53

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular, Hepatocyte	Degeneration	Moderate
	Bile Duct	Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Minimal
	[Degeneration TGLS = 2-8]		
* Lung	Artery	Inflammation	Chronic Active, Moderate
	Interstitialium	Inflammation	Chronic, Mild
* Preputial Gland		Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Moderate
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: BLOOD THIN, PALE, TGL 1- NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 54

TRT#: 6

SEX: Male

DAY ON TEST: 58

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: MB178G-54

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney		Hemorrhage	Focal, Mild
		Nephropathy	Mild
* Liver Note: TGL 1-NCL	Centrilobular, Hepatocyte	Degeneration	Minimal
* Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitial	Inflammation	Chronic, Mild
* Preputial Gland		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 55

TRT#: 6

SEX: Male

DAY ON TEST: 45

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: MB178G-55

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular, Hepatocyte	Degeneration	Marked
		Hematopoietic Cell Proliferation	Minimal
[Degeneration TGLS = 2-8]			
* Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitial	Inflammation	Chronic, Mild
[Inflammation TGLS = 3-6]			
* Preputial Gland		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Skin			
Note: SCROTUM, TGL 1-NCL			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
* Thymus	Thymocyte	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 56

TRT#: 6

SEX: Male

DAY ON TEST: 50

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: MB178G-56

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Blood Vessel

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS MISSING.			
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
Note: TGL 1-NCL			
* Liver	Centrilobular, Hepatocyte	Degeneration	Marked
		Hematopoietic Cell Proliferation	Minimal
[Degeneration TGLS = 2-8]			
* Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitialium	Inflammation	Chronic, Mild
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Preputial Gland		Atrophy	Mild
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stom Gland			
Note: TGL 3-NST			
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
* Thymus	Thymocyte	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 56

TRT#: 6

SEX: Male

DAY ON TEST: 50

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: MB178G-56

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Hemorrhage

Mild

Ultimobranchial Cyst

Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 57

TRT#: 6

SEX: Male

DAY ON TEST: 42

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: MB178G-57

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Pancreas	* Spleen
* Trachea			

OBSERVATIONS

* Blood Vessel Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney Note: TGL 2-NCL			
* Liver	Centrilobular, Hepatocyte	Degeneration	Marked
* Lung	Artery	Inflammation	Chronic Active, Moderate
	Interstitium	Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-6]			
* Preputial Gland		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Thymus	Thymocyte	Atrophy	Marked
		Hemorrhage	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 58

TRT#: 6

SEX: Male

DAY ON TEST: 50

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: MB178G-58

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular, Hepatocyte	Degeneration	Marked
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 1-8]			
* Lung	Artery	Inflammation	Chronic Active, Mild
* Preputial Gland		Atrophy	Mild
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: BLOOD THIN AND WATERY, TGL 2-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 59

TRT#: 6

SEX: Male

DAY ON TEST: 57

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: MB179G-59

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Moderate
	Atrium, Epicardium	Hemorrhage	Mild
* Kidney	Pelvis	Dilatation	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 2-NCL]			
* Liver	Centrilobular, Hepatocyte	Degeneration	Marked
[Degeneration TGLS = 1-8]			
* Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitialium	Inflammation	Chronic, Mild
[Inflammation TGLS = 3-6]			
* Preputial Gland		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Moderate
* Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 60

TRT#: 6

SEX: Male

DAY ON TEST: 45

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: MB178G-60

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum	* Intestine Small, Jejunum
---------------------------	----------------------------

OBSERVATIONS

* Blood Vessel Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Moderate
* Kidney Note: TGL 2-NCL		Nephropathy	Moderate
* Liver [Degeneration TGLS = 3-8]	Centrilobular, Hepatocyte	Degeneration	Moderate
* Lung [Inflammation TGLS = 1-6]	Artery Interstitialium	Inflammation Inflammation	Chronic Active, Mild Chronic, Moderate
* Preputial Gland		Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
* Thymus	Thymocyte	Atrophy Hemorrhage	Marked Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 61

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-61

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart	Myocardium	Cardiomyopathy	Mild
* Lung		Hemorrhage	Focal, Minimal
	Interstitium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 62

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-62

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Lung	Interstitialium	Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 63

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-63

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Lung	Interstitialium	Inflammation	Chronic, Minimal
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 64

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-64

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---------------------------|--------------|--------------|----------------------|
| * Blood Vessel | | | |
| Note: AORTA IS NORMAL. | | | |
| * Clitoral Gland | | Inflammation | Chronic Active, Mild |
| * Esophagus | Muscularis | Inflammation | Chronic, Focal, Mild |
| * Lung | Interstitium | Inflammation | Chronic, Minimal |
| * Uterus | | Hydrometra | Mild |
| [Hydrometra TGLS = 1-9] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:55
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 65

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-65

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Blood Vessel
Note: AORTA IS NORMAL.

* Uterus
[Hydrometra TGLS = 1-9]

Hydrometra

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 66

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-66

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Minimal
* Lung	Interstitial	Inflammation	Chronic, Minimal
* Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 67

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-67

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------------|------------|----------------|---------|
| * Blood Vessel | | | |
| Note: AORTA IS NORMAL. | | | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| * Spleen | | Pigmentation | Minimal |
| * Uterus | | Hydrometra | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:55

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 68

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-68

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Blood Vessel Note: AORTA IS NORMAL.			
* Clitoral Gland Note: INFLAMMATION IS SUBACUTE.	Bilateral	Inflammation	Minimal
* Heart	Myocardium	Cardiomyopathy	Minimal
* Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 69

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-69

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Liver
* Mammary Gland
* Parathyroid Gland
* Stomach, Forestomach
* Trachea

* Adrenal Medulla
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lung
* Nose
* Pituitary Gland
* Stomach, Glandular
* Urinary Bladder

* Blood Vessel
* Clitoral Gland
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Ovary
* Salivary Glands
* Thymus
* Uterus

* Bone
* Esophagus
* Intestine Large, Rectum
* Kidney
* Lymph Node, Mesenteric
* Pancreas
* Skin
* Thyroid Gland

OBSERVATIONS

* Blood Vessel
 Note: AORTA IS NORMAL.
* Spleen

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 70	TRT#: 7 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-70
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Blood Vessel
 Note: AORTA IS NORMAL.
* Heart

Myocardium	Cardiomyopathy	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 71	TRT#: 8 DOSE: 0.1MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-71
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart	Lymph Node, Mesenteric	Spleen	Stomach, Forestomach
Thymus			

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-12]			
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 72

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 0.1MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-72

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney
Stomach, Forestomach

Liver
Thymus

Lymph Node, Mesenteric

Spleen

OBSERVATIONS

Heart
Lung

Myocardium
Interstitial

Cardiomyopathy
Inflammation

Minimal
Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 73	TRT#: 8 DOSE: 0.1MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-73
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 74	TRT#: 8 DOSE: 0.1MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-74
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 75	TRT#: 8 DOSE: 0.1MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-75
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Bone [Atrophy TGLS = 1-12]	Cranium	Atrophy	Marked
Brain Note: THERE APPEARS TO BE A SEGMENTAL ABSENCE OF A PORTION OF THE CEREBRAL CORTEX. [Infiltration Cellular TGLS = 2-1]	Cerebrum, Meninges	Infiltration Cellular	Lymphocyte, Minimal
Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 76

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 0.1MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-76

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney
Stomach, Forestomach

Liver
Thymus

Lymph Node, Mesenteric

Spleen

OBSERVATIONS

Heart
Lung

Myocardium
Interstitial

Cardiomyopathy
Inflammation

Minimal
Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 77	TRT#: 8 DOSE: 0.1MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-77
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 78	TRT#: 8 DOSE: 0.1MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-78
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 79

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 0.1MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-79

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney
Stomach, Forestomach

Liver
Thymus

Lymph Node, Mesenteric

Spleen

OBSERVATIONS

Heart
Lung

Myocardium
Interstitial

Cardiomyopathy
Inflammation

Minimal
Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 80	TRT#: 8 DOSE: 0.1MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-80
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart	Kidney	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-8]			
Lung	Interstitialium	Inflammation	Chronic, Minimal
Uterus		Hydrometra	Mild
[Hydrometra TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 81	TRT#: 9 DOSE: 1 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-81
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mandibular	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 82	TRT#: 9 DOSE: 1 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-82
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric
Spleen	Stomach, Forestomach	Thymus	

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 83	TRT#: 9 DOSE: 1 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-83
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric
Spleen	Stomach, Forestomach	Thymus	

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 84

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 1 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-84

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart
Lymph Node, Mesenteric

Kidney
Spleen

Liver
Stomach, Forestomach

Lymph Node, Mandibular
Thymus

OBSERVATIONS

Lung Interstitium

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 85	TRT#: 9 DOSE: 1 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-85
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart	Kidney	Liver	Lymph Node, Mandibular
Spleen	Stomach, Forestomach	Thymus	

OBSERVATIONS

Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 86	TRT#: 9 DOSE: 1 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-86
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric
Spleen	Stomach, Forestomach	Thymus	

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 87	TRT#: 9 DOSE: 1 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-87
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart	Kidney	Liver	Lymph Node, Mandibular
Lymph Node, Mesenteric	Spleen	Stomach, Forestomach	Thymus

OBSERVATIONS

Lung	Interstitialium	Inflammation	Chronic, Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 88	TRT#: 9 DOSE: 1 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-88
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 89	TRT#: 9 DOSE: 1 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-89
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Spleen	Stomach, Forestomach	Thymus
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mandibular		Hemorrhage	Minimal
Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 90

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 1 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-90

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Liver

Lymph Node, Mandibular

Lymph Node, Mesenteric

Spleen

Stomach, Forestomach

Thymus

OBSERVATIONS

Heart

Myocardium

Cardiomyopathy

Minimal

Lung

Interstitial

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 91	TRT#: 10 DOSE: 3 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-91
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach			

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lymph Node, Mandibular		Atrophy	Minimal
Thymus	Thymocyte	Atrophy	Minimal
Uterus		Hydrometra	Mild

[Hydrometra TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 92	TRT#: 10 DOSE: 3 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-92
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mandibular	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 93	TRT#: 10 DOSE: 3 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-93
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Spleen	Stomach, Forestomach
Thymus			

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 94	TRT#: 10 DOSE: 3 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-94
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 95

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 3 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-95

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Liver

Lymph Node, Mandibular

Lymph Node, Mesenteric

Spleen

Stomach, Forestomach

Thymus

OBSERVATIONS

Heart

Myocardium

Cardiomyopathy

Minimal

Lung

Interstitial

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 96	TRT#: 10 DOSE: 3 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-96
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver Thymus	Lymph Node, Mandibular	Spleen	Stomach, Forestomach
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal
Mesentery [Necrosis TGLS = 1-12]	Fat	Necrosis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 97	TRT#: 10 DOSE: 3 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-97
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver Thymus	Lymph Node, Mesenteric	Spleen	Stomach, Forestomach
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OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal
Lymph Node, Mandibular		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 98	TRT#: 10 DOSE: 3 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-98
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart	Liver	Lymph Node, Mandibular	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 99	TRT#: 10 DOSE: 3 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-99
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mesenteric	Spleen
Stomach, Forestomach	Thymus		

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mandibular		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 100	TRT#: 10 DOSE: 3 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: MB178G-100
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Liver	Lymph Node, Mandibular	Lymph Node, Mesenteric
Spleen	Stomach, Forestomach	Thymus	

OBSERVATIONS

Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitial	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 101	TRT#: 11	SEX: Female	DAY ON TEST: 92
	DOSE: 10 MG/KG	DISP: Accidentally Killed	HISTO: MB178G-101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Liver
Lymph Node, Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach, Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 102

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Liver
Lymph Node, Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach, Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Mild
Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal
Spleen	Lymph Follic	Atrophy	Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 103

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Brain	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Liver
Lymph Node, Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach, Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Bone Marrow		Atrophy	Mild
Clitoral Gland		Inflammation	Chronic, Focal, Minimal
Esophagus	Muscularis	Inflammation	Chronic, Minimal
Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
Spleen		Hematopoietic Cell Proliferation	Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 104

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Accidentally Killed

HISTO: MB178G-104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Esophagus	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Stomach, Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Clitoral Gland		Inflammation	Chronic Active, Minimal
Note: INFLAMMATION IS SUBACUTE.			
Kidney		Nephropathy	Minimal
Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-8]			
Lung	Interstitial	Inflammation	Chronic, Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
Thymus	Thymocyte	Atrophy	Mild
[Atrophy TGLS = 1-3, 3.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 105

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach, Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Liver	Hepatocyte	Hypertrophy	Mild
Lung	Interstitialium	Inflammation	Chronic, Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Moderate
Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 106

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Accidentally Killed

HISTO: MB178G-106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach, Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Blood Vessel Note: AORTA IS NORMAL.			
Clitoral Gland Note: INFLAMMATION IS SUBACUTE.		Inflammation	Chronic Active, Minimal
Heart	Myocardium	Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Inflammation	Chronic, Mild
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 107

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Accidentally Killed

HISTO: MB178G-107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach, Glandular	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Liver		Hematopoietic Cell Proliferation	Minimal
Lung	Interstitialium	Inflammation	Chronic, Moderate
Spleen		Hematopoietic Cell Proliferation	Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
Thymus	Thymocyte	Atrophy	Minimal
Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 108

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Kidney	Liver
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Heart	Myocardium	Cardiomyopathy	Minimal
Lung	Interstitialium	Inflammation	Chronic, Moderate
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Moderate
Stomach, Glandular		Erosion	Focal, Mild
Thymus	Thymocyte	Atrophy	Mild
Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 109

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Accidentally Killed

HISTO: MB178G-109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach, Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Heart		Hemorrhage	Focal, Minimal
Kidney		Nephropathy	Minimal
Liver	Centrilobular, Hepatocyte	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Inflammation	Chronic, Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 110

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Esophagus	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach, Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Blood Vessel			
Note: AORTA IS NORMAL.			
Clitoral Gland		Inflammation	Acute, Minimal
Kidney		Nephropathy	Minimal
Liver	Centrilobular, Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Focal, Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
Thymus	Thymocyte	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 111

TRT#: 12

SEX: Female

DAY ON TEST: 65

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: MB178G-111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland	* Thyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Clitoral Gland		Atrophy	Mild
* Heart	Myocardium	Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Moderate
		Hematopoietic Cell Proliferation	Minimal
[Degeneration TGLS = 1-8]			
* Lung	Artery	Hemorrhage	Focal, Minimal
	Interstitium	Inflammation	Chronic Active, Mild
		Inflammation	Chronic, Moderate
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
* Thymus	Thymocyte	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 65

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: MB178G-112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Clitoral Gland		Atrophy	Mild
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
Note: TGL 2-NCL			
* Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
* Thymus	Thymocyte	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: BLOOD- THIN, PALE, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 113

TRT#: 12

SEX: Female

DAY ON TEST: 60

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: MB178G-113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Clitoral Gland		Atrophy	Mild
* Heart	Myocardium	Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Marked
		Hematopoietic Cell Proliferation	Minimal
[Degeneration TGLS = 2-8]			
* Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitium	Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-6]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 56

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: MB178G-114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Clitoral Gland		Atrophy	Mild
		Inflammation	Acute, Mild
* Heart	Myocardium	Cardiomyopathy	Moderate
* Int Sm Jejunum			
Note: TGL 4-NCL			
* Kidney	Renal Tubule	Degeneration	Moderate
* Liver	Centrilobular, Hepatocyte	Degeneration	Marked
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 2-8, 12; 3-8, 12]			
* Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitium	Inflammation	Chronic, Moderate
* Lymph Node, Mandibular		Hyperplasia	Histiocytic, Moderate
* Lymph Node, Mesenteric		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: BLOOD- THIN, PALE, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 56

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: MB178G-114

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30 MG/KG

DISP: Terminal Sacrifice

HISTO: MB178G-115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Brain	Cerebellum	Hemorrhage	Focal, Minimal
	Cerebrum	Hemorrhage	Focal, Minimal
* Clitoral Gland		Atrophy	Minimal
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Minimal
		Eosinophilic Focus	Minimal
* Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitial	Inflammation	Chronic, Mild
* Lymph Node, Mandibular		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Hyperplasia	Histiocytic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCASS THIN, TGL 1-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 83

DOSE: 30 MG/KG

DISP: Moribund Sacrifice

HISTO: MB178G-116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Clitoral Gland		Atrophy	Mild
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	Mild
[Degeneration TGLS = 2-8, 12]			
[Hepatodiaphragmatic Nodule TGLS = 1-8, 12]			
* Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitium	Inflammation	Chronic, Moderate
* Ovary	Periovarn Tiss	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Marked
* Thyroid Gland		Ultimobranchial Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 3,3',4,4'-Tetrachloroazoxybenzene
CAS Number: 21232-47-3

Date Report Requested: 10/20/2014
Time Report Requested: 11:56:56
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 71

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: MB178G-117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Clitoral Gland		Atrophy	Mild
* Heart	Myocardium	Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Moderate
	Bile Duct	Hematopoietic Cell Proliferation	Minimal
[Degeneration TGLS = 2-8]		Hyperplasia	Minimal
* Lung	Artery	Hemorrhage	Focal, Mild
	Interstitium	Inflammation	Chronic Active, Mild
[Hemorrhage TGLS = 1-6]		Inflammation	Chronic, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
Note: TGL 3-NCL			
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
* Thymus	Thymocyte	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30 MG/KG

DISP: Accidentally Killed

HISTO: MB178G-118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Heart	Myocardium	Cardiomyopathy	Mild
	Endocardium	Hemorrhage	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Interstitialium	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
* Thymus	Thymocyte	Atrophy	Marked
		Cyst	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 80

DOSE: 30 MG/KG

DISP: Natural Death

HISTO: MB178G-119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Clitoral Gland		Atrophy	Mild
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Mild
[Degeneration TGLS = 1-8]			
* Lung	Artery	Inflammation	Chronic Active, Mild
	Interstitial	Inflammation	Chronic, Mild
[Inflammation TGLS = 3-6]			
* Pituitary Gland			
Note: TGL 4-NCL			
* Thymus	Thymocyte	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: BLOOD THIN, TGL 2-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88149-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

CAS Number: 21232-47-3

Date Report Requested: 10/20/2014

Time Report Requested: 11:56:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30 MG/KG

DISP: Accidentally Killed

HISTO: MB178G-120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Liver	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Blood Vessel			
Note: AORTA IS NORMAL.			
* Bone Marrow		Atrophy	Minimal
* Heart	Myocardium	Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Minimal
* Thymus	Thymocyte	Atrophy	Moderate
* Thyroid Gland		Ultimobranchial Cyst	Focal, Mild

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE