

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

C Number:	C00113B
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	09/03/1986

Experiment Number: 05049-01

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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Small	Nose	Peripheral Nerve
Preputial Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
Heart	Myocardium	Fibrosis	Moderate
	Myocardium	Inflammation	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Moderate
Lymph Node	Mesenteric	Atrophy	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Adenoma	
		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Testes	Interstit Cell	Cyst	
		Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 3

SEX: Male

DAY ON TEST: 667

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Small	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spleen	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Mild
Intestine Large	Cecum	Fibrosis	Moderate
Kidney		Inflammation	Suppurative, Minimal
		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Atrophy	Marked
	Mediastinal	Erythrophagocytosis	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Adenoma	
		Atrophy	Mild
Preputial Gland		Carcinoma	
		Inflammation	Suppurative, Moderate
Note: TRC LES 2--CARCINOMA AND INFLAMMATION			
Skin		Keratoacanthoma	
Note: TRC LES 1--KERATOACANTHOMA			
Stomach	Forestomach	Inflammation	Chronic Active, Moderate
	Forestomach	Ulcer	Marked
Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1	TRT#: 3	SEX: Male	DAY ON TEST: 667
	DOSE: 8.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS			
Thyroid Gland	Follicle	Dilatation	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 5

DOSE: 4.0 MG/KG

SEX: Male

DISP: Dead

DAY ON TEST: 684

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Brain		Compression	Mild
Heart	Myocardium	Fibrosis	Mild
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
Liver	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Marked
	Hepatocyte	Hyperplasia	Nodular, Moderate
	Hepatocyte	Leukemia Mononuclear	
		Necrosis	Multifocal, Mild
Note: TRC LES 2- HYPERPLASIA NODULAR			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: TRC LES 1- FIBROADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Note: HEMORRHAGE AND NECROSIS ASSOCIATED WITH ADENOMA;NOT CODED			
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Suppurative, Moderate
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Erosion	Moderate
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1	TRT#: 5	SEX: Male	DAY ON TEST: 684
	DOSE: 4.0 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Adenoma
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PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Spleen
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Harderian Gland		Hyperplasia	Moderate
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Mineralization	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mandibular	Metaplasia	Osseous, Marked
Pancreas		Adenoma	
Note: TRC LES 1--ADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Hyperplasia	Moderate
		Inflammation	Suppurative, Marked
Skin		Inflammation	Chronic Active, Mild
Note: LESION IS WITH THE 1ST NASAL SECTION			
Stomach	Glandular	Erosion	Mild
	Forestomach	Squamous Cell Papilloma	
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 2	TRT#: 3	SEX: Male	DAY ON TEST: 700
	DOSE: 8.0 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Moderate
		Leukemia Mononuclear	
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Angiectasis	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Hemorrhage	Moderate
		Leukemia Mononuclear	
Lymph Node	Lymphatic, Mandibular	Ectasia	Moderate
	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Moderate
Note: TRC LES 1--HYPERPLASIA, CYSTIC			
Mesentery	Fat	Inflammation	Granulomatous, Marked
	Fat	Necrosis	Focal, Marked
Note: TRC LES 3--INFLAMMATION AND NECROSIS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 2	TRT#: 3 DOSE: 8.0 MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 700 HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
Nose	Lumen Submucosa	Inflammation Inflammation	Suppurative, Minimal Chronic, Moderate
Pancreas Note: TRC LES 4--ADENOMA		Adenoma	Multiple
Pituitary Gland		Angiectasis Leukemia Mononuclear	Mild
Preputial Gland Note: TRC LES 2--INFLAMMATION AND HYPERPLASIA		Hyperplasia Inflammation	Moderate Suppurative, Moderate
Prostate		Inflammation Inflammation	Chronic, Mild Suppurative, Mild
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Mineralization	Mild
Testes	Interstit Cell Seminif Tub	Adenoma Mineralization	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 5	SEX: Male	DAY ON TEST: 664
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Nose	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Spleen
Testes	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Mild
Kidney		Cyst	
		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Adenoma	Multiple
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Moderate
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 1--FIBROMA			
Stomach	Glandular	Erosion	Moderate
	Forestomach, Mucosa	Hyperplasia	Marked
	Forestomach	Perforation	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Small	Islets, Pancreatic
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Preputial Gland	Salivary Glands	Stomach	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Intestine Large	Cecum	Parasite Metazoan	Minimal
Kidney	Renal Tubule	Inflammation	Chronic, Moderate
		Mineralization	Minimal
		Nephropathy	Moderate
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: TRC LES 4--ATROPHY, HEPATOCYTES			
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
Mammary Gland		Fibroadenoma	
Mesentery	Fat	Hyperplasia	Cystic, Mild
		Necrosis	Focal, Moderate
Note: TRC LES 2--NECROSIS			
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Adenoma	
		Inflammation	Suppurative, Moderate
Note: TRC LES 3--ADENOMA			
Skin	Subcut Tiss	Hemangioma	
	Subcut Tiss	Schwannoma Malignant	
Note: TRC LES 5 (EAR)--MAL SCHWANNOMA			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 1--HEMANGIOMA

Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Seminif Tub	Mineralization	Mild
Thymus		Cyst	
Thyroid Gland	Follicle	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 3	SEX: Male	DAY ON TEST: 714
	DOSE: 8.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Stomach
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Heart		Leukemia Mononuclear	
Intest Small			
Note: TRC LES 3 (JEJUNUM)--NOT REMARKABLE			
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Mild
		Cyst Multilocular	
	Hepatocyte	Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Moderate
		Fibroadenoma	
Mammary Gland			
Note: TRC LES 1--FIBROADENOMA			
Pancreas		Atrophy	Minimal
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
Testes	Interstitial Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	Multiple
Tissue NOS		Ectasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3

TRT#: 3

SEX: Male

DAY ON TEST: 714

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 2--BULBOURETHRAL GLAND-ECTASIA

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 5 DOSE: 4.0 MG/KG	SEX: Male DISP: Accident	DAY ON TEST: 607 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Stomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung	Hepatocyte	Vacuolization Cytoplasmic	Mild
		Foreign Body	Marked
		Inflammation	Granulomatous, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
Pancreas		Atrophy	Minimal
Preputial Gland		Inflammation	Chronic, Mild
Skin		Keratoacanthoma	
Note: TRC LES 1--KERATOACANTHOMA			
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 576
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Stomach	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Brain			
Note: NO CEREBELLUM AVAILABLE			
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Chronic, Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Adenomatosis	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Atrophy	Moderate
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Intermed	Adenoma	
Preputial Gland		Inflammation	Chronic, Moderate
Prostate		Inflammation	Suppurative, Moderate
Skin	Subcut Tiss	Fibroma	
		Squamous Cell Papilloma	
Note: TRC LES 1--FIBROMA			
Note: TRC LES 2--PAPILLOMA SQUAMOUS			
Spleen		Congestion	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 4 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 729
DOSE: 8.0 MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lung	Mammary Gland	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Stomach	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Malignant	
Note: TRC LES 1--PHEOCHROMOCYTOMA MALIGNANT			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Suppurative, Minimal
		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lymph Node	Lymphatic, Mandibular	Ectasia	Mild
	Mandibular	Hyperplasia	Plasma Cell, Mild
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Moderate
Pancreas		Adenoma	Multiple
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 2--FIBROMA			
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4	TRT#: 5 DOSE: 4.0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Mammary Gland
Nose	Parathyroid Gland	Peripheral Nerve	Preputial Gland
Prostate	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Hyperplasia	Mild
	Cortex	Vacuolization Cytoplasmic	Mild
Brain		Granular Cell Tumor Benign	
Note: TRC LES 6- NOT REMARKABLE			
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Marked
Liver		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: TRC LES 5- HEPATOCELLULAR CARINOMA			
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Atrophy	Moderate
	Mandibular	Hyperplasia	Plasma Cell, Mild
Mesentery	Fat	Necrosis	Focal, Moderate
Note: TRC LES 3- NECROSIS			
Pancreas		Adenoma	
		Atrophy	Mild
Note: TRC LES 4- ADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Atrophy	Moderate
Skin		Basal Cell Carcinoma	
Note: TRC LES 2- BASAL CELL CARCINOMA			
Note: TRC LES 1- NOT REMARKABLE			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 4	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 4.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation Erythrocytic Leukemia Mononuclear	Mild
Stomach	Forestomach	Diverticulum	
Testes	Interstit Cell	Adenoma	Multiple
Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 5 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 734
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Brain	Epididymis
Esophagus	Islets, Pancreatic	Lymph Node	Nose
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart	Myocardium	Fibrosis	Mild
Intestine Large	Cecum	Parasite Metazoan	Minimal
Intestine Small		Sarcoma	Metastatic (Mesentery)
Note: METASTATIC SARCOMA INVOLVED JEJUNUM			
Kidney		Hydronephrosis	Mild
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Marked
		Sarcoma	Metastatic (Mesentery)
Note: TRC LES 4--SARCOMA METASTATIC			
Lung		Adenomatosis	Moderate
		Infiltration Cellular	Histiocyte, Minimal
	Artery	Mineralization	Mild
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Sarcoma	
Note: TRC LES 2,3,5, AND 6--SARCOMA			
Pancreas		Atrophy	Marked
Pituitary Gland	Pars Intermed	Cyst	
Preputial Gland		Hyperplasia	Mild
Prostate		Corpora Amylacea	Moderate
		Inflammation	Suppurative, Mild
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 1--FIBROMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
Stomach			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NODULE AT NECROPSY PART OF MESENTERIC SARCOMA

Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH	-		
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 3 DOSE: 8.0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Stomach
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Leukemia Mononuclear	
		Fibrosis	Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Portal	Cyst Multilocular	
		Fibrosis	Moderate
Lung		Leukemia Mononuclear	
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Leukemia Mononuclear	
Pancreas		Atrophy	Moderate
Note: TRC LES 4--LEUKEMIA MONUC		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic, Moderate
Skin	Subcut Tiss	Basal Cell Adenoma	
Note: TRC LES 1--FIBOSARCOMA		Fibrosarcoma	
Note: TRC LES 2--BASAL CELL ADENOMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
		Hematopoietic Cell Proliferation Granulocytic	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 5	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 3--LEUKEMIA MONUC			
Testes	Interstit Cell	Adenoma	
Thymus		Leukemia Mononuclear	
Note: TRC LES 5--LEUKEMIA MONUC			
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 5 DOSE: 4.0 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 645 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Small
Mammary Gland	Nose	Pancreas	Peripheral Nerve
Pituitary Gland	Preputial Gland	Salivary Glands	Skin
Stomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain	Cerebrum	Degeneration	Minimal
Heart	Myocardium	Fibrosis	Moderate
	Myocardium	Inflammation	Chronic Active, Mild
	Myocardium	Mineralization	Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Note: TRC LES 5--NOT REMARKABLE			
Islets, Pancreatic		Adenoma	
Kidney		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Neoplastic Nodule	
Note: TRC LES 4--NEOPLASTIC NODULE			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 5	TRT#: 5	SEX: Male	DAY ON TEST: 645
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 1--LEUKEMIA MONUC			
Mesentery		Leukemia Mononuclear	
Prostate		Leukemia Mononuclear	
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Necrosis	Marked
Note: TRC LES 3--NECROSIS			
Note: TRC LES 2--NECROSIS AND FIBROSIS			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Moderate
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:03
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 6	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Moribund	DAY ON TEST: 595 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Skin	Stomach	Testes
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Adenomatosis	Marked
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Atrophy	Minimal
		Cyst	
Pituitary Gland		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic, Mild
Spleen		Degeneration	Fatty, Marked
	Lymphatic	Ectasia	Moderate
		Leukemia Mononuclear	
Note: TRC LES 1--DEGENERATION AND ECTASIA			
Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 595

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 6	TRT#: 3	SEX: Male	DAY ON TEST: 470
	DOSE: 8.0 MG/KG	DISP: Accident	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Kidney
Lung	Lymph Node	Mammary Gland	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Nose	Preputial Gland	Thymus	
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OBSERVATIONS

Adrenal Gland	Extra Adr Tiss	Developmental Malformation	
Heart	Myocardium	Fibrosis	Moderate
Liver	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: NOSE & PREPUT. GL NOT REQUIRED PRIOR TO 6/1/82

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6	TRT#: 5 DOSE: 4.0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Mammary Gland
Nose	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	Multiple
Bone Marrow		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Suppurative, Minimal
		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
Liver	Hepatocyte	Nephropathy	Moderate
	Bile Duct	Atrophy	Multifocal, Mild
	Hepatocyte	Hyperplasia	Marked
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: TRC LES 3- HYPERPLASIA NODULAR			
Lung		Leukemia Mononuclear	
		Pigmentation	Moderate
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mesentery	Fat	Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
Note: TRC LES 2- LEUKEMIA MONUC AND INFLAMMATION			
Pancreas		Adenoma	
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6	TRT#: 5 DOSE: 4.0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
Prostate	Epithelium	Hyperplasia Inflammation	Mild Suppurative, Minimal
Skin Note: TRC LES 1--PAPILLOMA SQUA		Squamous Cell Papilloma	
Spleen	Lymphatic	Ectasia Fibrosis Leukemia Mononuclear	Mild Moderate
Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
<hr/> PRIMARY CAUSE OF DEATH -			
<hr/> Animal Note: TISSUE ON SLIDE 1B IS NOT PINEAL GLAND			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Moribund	DAY ON TEST: 719 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spleen	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Degeneration	Multiple, Marked
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Note: TRC LES 3--SIMILAR TO REGULAR LIVER SECTION			
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Erythrophagocytosis	Moderate
	Mediastinal	Hemorrhage	Mild
	Mandibular	Hyperplasia	Plasma Cell, Moderate
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Moderate
Pancreas		Adenoma	
Note: TRC LES 2--ADENOMA			
Preputial Gland		Inflammation	Chronic, Moderate
Skin		Cyst Epithelial Inclusion	
Note: TRC LES 1--CYST EPIDERM INCL			
Stomach	Forestomach, Mucosa	Hyperplasia	Moderate
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7	TRT#: 3 DOSE: 8.0 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 727 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lung
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone Marrow		Hyperplasia	Marked
Heart	Myocardium	Fibrosis	Moderate
	Myocardium	Inflammation	Chronic, Moderate
		Thrombosis	
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Clear Cell Focus	
		Hemorrhage	Moderate
	Bile Duct	Hyperplasia	Mild
Note: TRC LES 5--SIMILAR TO REGULAR LIVER SECTION			
Note: TRC LES 4--HEMORRHAGE			
Lymph Node	Inguinal, Lymphatic	Ectasia	Moderate
	Lumbar, Lymphatic	Ectasia	Marked
	Lymphatic, Mandibular	Ectasia	Marked
	Lymphatic, Mediastinal	Ectasia	Moderate
	Axillary	Hyperplasia	Plasma Cell, Moderate
	Inguinal	Hyperplasia	Plasma Cell, Marked
	Mandibular	Hyperplasia	Plasma Cell, Moderate

Note: TRC LES 2--HYPERPLASIA, PLASMA CELL

Note: TRC LES 6--ECTASIA

Note: TRC LES 7--ECTASIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 7	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 8.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas		Adenoma	
Note: TRC LES 3--ADENOMA			
Preputial Gland		Hyperplasia	Marked
		Inflammation	Suppurative, Marked
Note: TRC LES 1--HYPERPLASIA AND INFLAMMATION			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
		Hematopoietic Cell Proliferation Granulocytic	Moderate
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7	TRT#: 5 DOSE: 4.0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Islets, Pancreatic	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Skin	Stomach	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Necrosis	Marked
Bone Marrow		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Mild
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 7	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 4.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Small	Islets, Pancreatic	Lymph Node
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
Heart	Myocardium	Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Cyst	
Prostate		Corpora Amylacea	Mild
Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Schwannoma Malignant	
Note: TRC LES 2--SCHWANNOMA MAL			
Note: TRC LES 1--FIBROMA			
Spleen		Leukemia Mononuclear	
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 8	TRT#: 3	SEX: Male	DAY ON TEST: 462
	DOSE: 8.0 MG/KG	DISP: Accident	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lung
Lymph Node	Mammary Gland	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Nose	Preputial Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Minimal
Heart	Myocardium	Fibrosis	Moderate
Kidney		Nephropathy	Minimal
Liver	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Mesentery	Fat	Necrosis	Focal, Marked
Note: TRC LES 1--NECROSIS			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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Animal Note: NOSE & PREPUT. GL NOT REQUIRED PRIOR TO 6/1/82

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 8	TRT#: 5 DOSE: 4.0 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 677 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Preputial Gland
Salivary Glands	Trachea		

OBSERVATIONS

Adrenal Gland		Fibrosis	Marked
	Medulla	Leukemia Mononuclear	
		Pheochromocytoma Benign	
		Pigmentation	Marked
	Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Leukemia Mononuclear	
Note: TRC LES 2- LEUKEMIA MONUC			
Note: TRC LES 3- LEUKEMIA MONUC			
Note: TRC LES 4- LEUKEMIA MONUC			
Pancreas		Leukemia Mononuclear	
Prostate		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 8	TRT#: 5	SEX: Male	DAY ON TEST: 677
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Seminal Vesicle		Leukemia Mononuclear	
Skin		Leukemia Mononuclear	
Note: TRC LES 1- LEUKEMIA MONUC		Leukemia Mononuclear	
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
		Leukemia Mononuclear	
	Glandular	Mineralization	Moderate
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Dead	DAY ON TEST: 522 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Spleen

INSUFFICIENT TISSUE

Mammary Gland

OBSERVATIONS

Heart	Myocardium	Fibrosis	Moderate
Kidney		Nephropathy	Mild
Liver	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Inflammation	Chronic, Mild
		Neoplasm Nos	Metastatic (Uncertain Primary Site)
Note: METASTATIC NEOPLASM WAS CHORDOMA;PRIMARY SITE NOT DETERMINED			
Preputial Gland		Inflammation	Chronic, Mild
Skin		Trichoepithelioma	
Note: TRC LES 1--TRICHOEPITHELIOMA			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 9	TRT#: 3 DOSE: 8.0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Stomach	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Extra Adr Tiss Cortex	Developmental Malformation Vacuolization Cytoplasmic	Mild
Eye	Retina	Atrophy Cataract	Moderate Moderate
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation Inflammation Nephropathy	Suppurative, Minimal Chronic, Moderate Moderate
Liver	Portal Bile Duct	Basophilic Focus Fibrosis Hyperplasia Leukemia Mononuclear	Mild Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Renal	Pigmentation	Moderate
Mesentery Note: TRC LES 3--PIGMENT	Fat	Necrosis	Focal, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas		Adenoma	
Preputial Gland		Hyperplasia Inflammation Inflammation	Mild Chronic, Moderate Suppurative, Moderate
Prostate	Epithelium	Hyperplasia Inflammation	Mild Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 9	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Skin			
Note: TRC LES 1--NOT REMARKABLE			
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland	Follicle	Dilatation	Moderate
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9	TRT#: 5 DOSE: 4.0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Preputial Gland	Salivary Glands	Skin	Spleen
Stomach	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
Blood Vessel		Hypertrophy	Moderate
		Inflammation	Chronic Active, Moderate
Note: TRC LES 2- INFLAMMATION AND HYPERTROPHY			
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Chronic, Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
Lung	Mediastinum	Mesothelioma Malignant	
Lymph Node	Mediastinal	Pigmentation	Moderate
Mammary Gland		Angiectasis	Marked
		Inflammation	Granulomatous, Mild
Mesentery	Fat	Inflammation	Suppurative, Mild
	Fat	Necrosis	Focal, Moderate
Note: TRC LES 1- NECROSIS AND INFLAMMATION			
Pancreas		Adenoma	
		Atrophy	Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9	TRT#: 5 DOSE: 4.0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
Thyroid Gland	Seminif Tub C Cell	Mineralization Hyperplasia	Mild Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lung	Mammary Gland	Parathyroid Gland	Peripheral Nerve
Prostate	Salivary Glands	Skin	Stomach
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Metaplasia	Osseous, Mild
Kidney		Hydronephrosis	Mild
		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Angiectasis	Mild
		Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mandibular	Hyperplasia	Plasma Cell, Mild
Nose	Mucosa	Necrosis	Mild
Pancreas		Atrophy	Marked
		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Adenoma	
		Inflammation	Suppurative, Marked
Note: TRC LES 1--ADENOMA AND INFLAMMATION			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Seminif Tub	Mineralization	Moderate
Thymus		Cyst	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 10

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Stomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
	Portal	Fibrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Adenoma	
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 1--FIBROMA			
Spleen		Fibrosarcoma	
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lymph Node
Mammary Gland	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Stomach	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Minimal
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
	Portal	Fibrosis	Minimal
		Leukemia Mononuclear	
		Neoplastic Nodule	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Infiltration Cellular	Histiocyte, Minimal
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Inflammation	Chronic, Moderate
Pancreas		Adenoma	
Pituitary Gland			
Note: POSSIBLY INCREASED GLIAL CELLS IN PARS NERVOSA; NOT CODED			
Preputial Gland		Adenoma	
		Inflammation	Suppurative, Marked
		Metaplasia	Squamous, Marked
Note: TRC LES 2- ADENOMA,METAPLASIA,AND INFLAMMATION			
Skin		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 10	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 4.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 1- KERATOACANTHMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic Leukemia Mononuclear	Mild
Testes	Interstit Cell Seminif Tub	Adenoma Mineralization	Multiple Mild
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Adenomatosis	Moderate
		Infiltration Cellular	Histiocyte, Minimal
	Artery	Mineralization	Mild
Lymph Node	Mediastinal	Erythrophagocytosis	Moderate
Pancreas		Adenoma	
		Hyperplasia	Moderate
Note: TRC LES 1--ADENOMA			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 11	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Lymph Node	Nose
Parathyroid Gland	Peripheral Nerve	Prostate	Salivary Glands
Skin	Stomach	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION AFFECTS MESENTERIC ARTERY			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Basophilic Focus	
		Cyst Multilocular	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Granulomatous, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Pancreas		Adenoma	Multiple
		Atrophy	Mild
		Hyperplasia	Moderate
Note: TRC LES 1--ADENOMA			
Pituitary Gland	Pars Distalis	Carcinoma	
Preputial Gland		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 11

TRT#: 5
DOSE: 4.0 MG/KG

SEX: Male
DISP: Moribund

DAY ON TEST: 426
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Lung	Lymph Node
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Testes	Thyroid Gland	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
Liver	Hepatocyte	Vacuolization Cytoplasmic	Marked
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Adenoma	
		Ectasia	Marked
		Inflammation	Suppurative, Mild
Note: TRC LES 2--ECTASIA AND INFLAMMATION AND ADENOMA			
Prostate		Inflammation	Suppurative, Moderate
Skin		Cyst Epithelial Inclusion	
Note: TRC LES 1--CYST EPITH INC			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Stomach	Forestomach	Edema	Moderate
	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Ulcer	Marked

Note: TRC LES 3 (FORESTOMACH)--ULCER, HYPERPLASIA & EDEMA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Skin
Stomach	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hematocyst	
	Medulla	Pheochromocytoma Benign	Multiple
Heart	Myocardium	Inflammation	Chronic, Minimal
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Inflammation	Chronic, Moderate
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
Thyroid Gland	Follicle	Dilatation	Mild
	Follicle	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Preputial Gland	Salivary Glands
Skin	Spleen	Stomach	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Esophagus			
Note: ESOPHAGUS IS ON THE LUNG SLIDE			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: TRC LES 1--HEPATOCELL CARCINOMA			
Note: HEPATOCELL CARCINOMA IS WELL DIFFERENTIATED			
Lung		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Adenoma	
Prostate		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 5

DOSE: 4.0 MG/KG

SEX: Male

DISP: Moribund

DAY ON TEST: 688

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Mild
Islets, Pancreatic		Adenoma	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Minimal
	Portal	Pigmentation	Moderate
Liver	Bile Duct	Fibrosis	Mild
	Hepatocyte	Hyperplasia	Moderate
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA INFILTRATE IS PLEOMORPHIC AND ATYPICAL			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Nose	Submucosa	Inflammation	Chronic, Mild
	Mucosa	Metaplasia	Squamous, Moderate
Preputial Gland		Ectasia	Moderate
		Hyperplasia	Mild
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 12	TRT#: 5	SEX: Male	DAY ON TEST: 688
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Note: TRC LES 1- THE LEUKEMIA IS A PLEOMORPHIC CELL TYPE			
Note: TRC LES 1- LEUKEMIA MONUC			
Stomach	Forestomach, Mucosa	Hyperplasia	Minimal
	Forestomach	Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Epididymis	Esophagus	Heart
Intestine Small	Islets, Pancreatic	Lung	Mammary Gland
Nose	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone		Hyperostosis	Moderate
Note: TRC LES 5--HYPEROSTOSIS			
Bone Marrow		Hyperplasia	Reticulum Cell, Mild
Brain		Astrocytoma Malignant	
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Pancreas		Adenoma	
		Atrophy	Mild
Note: TRC LES 4--ADENOMA			
Parathyroid Gland		Adenoma	
Pharynx	Palate	Hyperplasia	Moderate
	Palate	Inflammation	Suppurative, Mild
Preputial Gland		Cyst	
		Inflammation	Suppurative, Mild
Skin		Cyst Epithelial Inclusion	
	Subcut Tiss	Fibrosarcoma	
Note: TRC LES 1--CYST EPIDERM INCL			
Note: TRC LES 2--FIBROSARCOMA			
Spleen		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 13	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 3--ATROPHY			
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
	Forestomach	Squamous Cell Papilloma	
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: SPEEN/LIVER-POSSIBLE EARLY LEUK MONUC--NOT CODED

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 3

SEX: Male

DAY ON TEST: 652

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Lymph Node	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach	Trachea	Urinary Bladder

MISSING

Mammary Gland	Peripheral Nerve	Thymus
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OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Focal, Marked
Note: TRC LES 2--NECROSIS			
Pancreas		Adenoma	Multiple
Note: TRC LES 3--ADENOMA			
Preputial Gland		Carcinoma	
Note: TRC LES 1--CARCINOMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland	C Cell	Hyperplasia	Mild
		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

Animal Note: LEUKEMIA MONUC APPEARED TO BE IN EARLY STAGE (LIVER/KIDNEY)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 5

SEX: Male

DAY ON TEST: 618

DOSE: 4.0 MG/KG

DISP: Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Preputial Gland
Salivary Glands	Skin	Spleen	Stomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Cyst Multilocular	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Foreign Body	Moderate
		Hemorrhage	Moderate
Note: FOR. BODY IS HOMOGENEOUS MATERIAL RESEMBLING OIL			
Prostate		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Intestine Small	Mammary Gland	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Epididymis		Edema	Moderate
Heart	Myocardium	Fibrosis	Moderate
	Myocardium	Inflammation	Chronic, Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Islets, Pancreatic		Adenoma	
Kidney		Inflammation	Suppurative, Minimal
		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mesenteric	Hyperplasia	Histiocytic, Mild
	Mesenteric	Necrosis	Mild
Pancreas		Adenoma	
Note: TRC LES 1--ADENOMA			
Preputial Gland		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: TONGUE--NO MICRO. LESION OBSERVED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:03
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 14

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Liver	Lung	Lymph Node	Mammary Gland
Nose	Peripheral Nerve	Prostate	Salivary Glands
Skin	Spleen	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Mammary Gl			
Note: MAMMARY GL IS ON SLIDE WITH PREPUTIAL GL			
Pancreas		Adenoma	Multiple
		Atrophy	Marked
Note: TRC LES 2--ADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Hyperplasia	Marked
		Inflammation	Suppurative, Moderate
Note: TRC LES 1--HYPERPLASIA AND INFLAMMATION			
Stomach	Forestomach	Erosion	Moderate
	Forestomach	Fibrosis	Moderate
	Forestomach, Mucosa	Hyperplasia	Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 14	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 4.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Small	Islets, Pancreatic	Lymph Node	Mammary Gland
Nose	Parathyroid Gland	Peripheral Nerve	Preputial Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Blood Vessel		Inflammation	Chronic Active, Mild
Brain		Degeneration	Multiple, Minimal
Heart	Myocardium	Fibrosis	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Adenoma	
Note: TRC LES 1- ADENOMA			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Chronic, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
Lung		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Atrophy	Mild
Preputial Gland		Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Moderate
Stomach	Glandular	Mineralization	Mild
Testes	Interstitial Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Peripheral Nerve
Pituitary Gland	Salivary Glands	Stomach	Urinary Bladder

MISSING

Esophagus	Heart	Lung	Parathyroid Gland
Preputial Gland	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Eye	Retina	Atrophy	Marked
		Cataract	Moderate
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Pancreas		Hyperplasia	Moderate
Pharynx	Palate	Fibrosarcoma	
Prostate		Inflammation	Chronic, Mild
Skin		Basal Cell Carcinoma	
Note: TRC LES 1--BASAL CELL CARCINOMA			
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 15

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Nose	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Preputial Gland	Salivary Glands	Spleen
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart	Myocardium	Inflammation	Chronic, Minimal
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Adenoma	
		Atrophy	Minimal
		Hyperplasia	Mild
Prostate		Inflammation	Suppurative, Minimal
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 1- FIBROMA			
Stomach	Glandular	Mineralization	Minimal
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood Vessel		Inflammation	Chronic Active, Mild
Kidney		Inflammation	Suppurative, Minimal
		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
Note: TRC LES 2--SIMILAR TO REGULAR LIVER SECTION			
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Fibroadenoma	
Note: TRC LES 1--FIBRONOMA			
Preputial Gland		Inflammation	Chronic, Moderate
Prostate		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 16

TRT#: 3

SEX: Male

DAY ON TEST: 574

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Lymph Node	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Bone		Osteosarcoma	
Brain	Cerebrum	Hemorrhage	Moderate
	Cerebrum	Necrosis	Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		Synechia	Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Foreign Body	Mild
		Infiltration Cellular	Histiocyte, Moderate
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 16

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Preputial Gland	Salivary Glands	Spleen
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Eye	Retina	Atrophy	Marked
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lymphatic, Mandibular	Ectasia	Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Moderate
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 1- FIBROMA			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood Vessel		Hypertrophy	Moderate
Note: AFFECTED BLOOD VESSELS ARE IN BONE MARROW			
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
Lung		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Hyperplasia	Moderate
Preputial Gland		Inflammation	Chronic, Moderate
Stomach	Forestomach	Mineralization	Marked
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Mineralization	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 17

TRT#: 3

SEX: Male

DAY ON TEST: 719

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lymph Node
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Moderate
Kidney		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Pancreas		Adenoma	Multiple
		Atrophy	Moderate
Note: TRC LES 3--ADENOMA			
Preputial Gland		Ectasia	Mild
		Inflammation	Chronic, Mild
Note: TRC LES 2--ECTASIA AND INFLAMMATION			
Prostate		Inflammation	Suppurative, Minimal
Skin		Basal Cell Carcinoma	
Note: TRC LES 1--BASAL CELL CARCINOMA			
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Ulcer	Mild
Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 17

TRT#: 3
DOSE: 8.0 MG/KG

SEX: Male
DISP: Moribund

DAY ON TEST: 719
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Seminif Tub

Mineralization

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 17

TRT#: 5
DOSE: 4.0 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart	Myocardium	Fibrosis	Moderate
	Myocardium	Inflammation	Chronic, Mild
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Pancreas		Adenoma	
		Hyperplasia	Mild
Note: TRC LES 2- ADENOMA			
Skin		Acanthosis	Moderate
	Subcut Tiss	Fibroma	
		Hyperkeratosis	Mild
		Inflammation	Suppurative, Moderate
Note: TRC LES 1- FIBROMA			
Note: TRC LES 3- ACANTHOSIS AND HYPERKERATOSIS			
Note: THE SUPPURATIVE INFLAMMATION IS ON FIRST NASAL SECTION			
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 587

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Lymph Node	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Prostate	Salivary Glands	Stomach	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Hyperplasia	Marked
		Inflammation	Suppurative, Moderate
Note: TRC LES 1--INFLAMMATION AND HYPERPLASIA			
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 3--FIBROMA			
Spleen		Atrophy	Moderate
		Fibrosis	Moderate
		Hematopoietic Cell Proliferation Erythrocytic	Mild
Note: TRC LES 2--FIBROSIS AND ATROPHY			
Testes	Interstit Cell	Adenoma	Multiple
Thymus		Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 3

SEX: Male

DAY ON TEST: 695

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lymph Node
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Stomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Brain		Degeneration	Multiple, Moderate
Note: DEGENERATION OBSERVED WAS STATUS SPONGIOSIS			
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Suppurative, Minimal
		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Cyst Multilocular	
	Portal	Fibrosis	Moderate
		Hemorrhage	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
Lung		Foreign Body	Moderate
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Lumen	Inflammation	Suppurative, Minimal
Pancreas		Adenoma	Multiple
Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic, Moderate

Note: TRC LES 1--HYPERPLASIA AND INFLAMMATION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 3

DOSE: 8.0 MG/KG

SEX: Male

DISP: Moribund

DAY ON TEST: 695

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Inflammation	Suppurative, Minimal
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: TRC LES 1- PHEOCHROM MAL			
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Adenoma	
Preputial Gland		Ectasia	Moderate
		Inflammation	Chronic, Mild
Seminal Vesicle		Fibrosis	Moderate
Stomach	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 19	TRT#: 1	SEX: Male	DAY ON TEST: 653
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Mammary Gland	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spleen	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Preputial Gland

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney		Hamartoma	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Necrosis	Multifocal, Mild
Lung		Inflammation	Granulomatous, Moderate
Pancreas		Adenoma	
Prostate		Inflammation	Suppurative, Mild
Stomach	Glandular	Erosion	Moderate
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 3

SEX: Male

DAY ON TEST: 461

DOSE: 8.0 MG/KG

DISP: Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Lung	Mammary Gland	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Skin	Spleen	Stomach	Thymus
Trachea	Urinary Bladder		

MISSING

Nose	Preputial Gland
------	-----------------

INSUFFICIENT TISSUE

Salivary Glands

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: POSSIBLE EARLY LEUKEMIA MONUC; NOT CODED			
Lymph Node	Mesenteric	Atrophy	Moderate
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

Animal Note: NOSE AND PREPUTIAL GL NOT REQUIRED PRIOR TO 6/1/82

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 19

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Small	Islets, Pancreatic	Mammary Gland	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Brain		Degeneration	Multiple, Moderate
Heart	Myocardium	Fibrosis	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Nose		Schwannoma Malignant	
Note: THE TUMOR HAS CHARACTERISTICS OF A MALIGNANT NEURINOMA			
Pancreas		Adenoma	
		Atrophy	Minimal
		Hyperplasia	Moderate
Pharynx	Palate	Ulcer	Mild
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Adenoma	Multiple
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 657

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: TRC LES 1--PHEOCHROMOCYTOMA			
Bone		Fibrous Osteodystrophy	Mild
Heart	Myocardium	Fibrosis	Mild
Intest Large			
Note: TRC LES 2--NO LESION			
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Marked
Liver		Angiectasis	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Necrosis	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Preputial Gland		Inflammation	Suppurative, Mild
Stomach	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic Active, Moderate
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 20

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Eye		Angiectasis	Moderate
	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 5

DOSE: 4.0 MG/KG

SEX: Male

DISP: Moribund

DAY ON TEST: 658

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Stomach	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart	Myocardium	Fibrosis	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Adenomatosis	Mild
		Infiltration Cellular	Histiocyte, Minimal
Note: NODULE AT NECROPSY IS ADENOMATOSIS			
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Pancreas		Adenoma	Multiple
Note: TRC LES 2--ADENOMA			
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Suppurative, Minimal
Skin		Carcinosarcoma	
Note: TRC LES 1--CARCINOSARCOMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland	Follicle	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Small	Islets, Pancreatic	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Stomach	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone		Hyperostosis	
Note: CALVARIA--NO LESION			
Eye	Retina	Atrophy	Mild
Heart	Myocardium	Fibrosis	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Angiectasis	Mild
	Hepatocyte	Atrophy	Multifocal, Mild
	Bile Duct	Hyperplasia	Marked
	Hepatocyte	Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Lung		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
Lymph Node	Mesenteric	Hyperplasia	Plasma Cell, Mild
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Focal, Marked
Note: TRC LES 1--NECROSIS			
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Moderate
	Mucosa	Inflammation	Chronic, Moderate
Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Intermed	Hyperplasia	Mild
Preputial Gland		Cyst	
Prostate		Inflammation	Suppurative, Moderate
		Corpora Amylacea	Mild
		Inflammation	Suppurative, Mild
Spleen		Atrophy	Mild
		Fibrosis	Mild
		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Mammary Gland	Nose	Peripheral Nerve
Pituitary Gland	Preputial Gland	Salivary Glands	Spleen
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Pancreas		Adenoma	Multiple
Prostate		Inflammation	Suppurative, Mild
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 1--FIBROMA			
Note: TRC LES 2--NOT REMARKABLE			
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Small	Islets, Pancreatic	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Skin
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OBSERVATIONS

Adrenal Gland	Cortex	Hematocyst Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver	Hepatocyte	Atrophy	Multifocal, Mild
		Cyst Multilocular	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Lymphatic, Mandibular	Ectasia	Moderate
Pancreas		Adenoma	Multiple
Preputial Gland		Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Parathyroid Gland	Peripheral Nerve
Prostate	Salivary Glands	Skin	Spleen
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Fibrosis	Moderate
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
Pancreas		Adenoma	
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Hyperplasia	Marked
		Inflammation	Suppurative, Marked

Note: TRC LES 2--HYPERPLASIA AND INFLAMMATION

Note: TRC LES 3--HYPERPLASIA AND INFLAMMATION (NO LYMPH NODE)

Note: TRC LES 1--HYPERPLASIA AND INFLAMMATION

Testes	Interstit Cell	Adenoma	Multiple
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:03
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 22

TRT#: 3

SEX: Male

DAY ON TEST: 671

DOSE: 8.0 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large
Islets, Pancreatic	Lymph Node	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Moderate
Intestine Small	Duodenum	Inflammation	Suppurative, Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Necrosis	Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Lumen	Inflammation	Suppurative, Mild
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Hemorrhage	Marked
	Pars Distalis	Necrosis	Moderate
Note: POSSIBLE NEOPLASM; OBSCURED BY HEMMORRHAGE AND NECROSIS			
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Suppurative, Moderate
Spleen		Pigmentation	Hemosiderin, Moderate
Testes	Interstit Cell	Adenoma	Multiple
		Fibrosis	Marked
		Hemorrhage	Marked
		Necrosis	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 22	TRT#: 5	SEX: Male	DAY ON TEST: 513
	DOSE: 4.0 MG/KG	DISP: Accident	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Heart	Intestine Large	Intestine Small
Kidney	Liver	Lymph Node	Mammary Gland
Peripheral Nerve	Preputial Gland	Prostate	Skin
Spleen	Urinary Bladder		

MISSING

Esophagus	Parathyroid Gland	Pituitary Gland	Salivary Glands
Thymus	Thyroid Gland	Trachea	

AUTO PRECLUDES DIAG.

Islets, Pancreatic	Pancreas
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OBSERVATIONS

Lung		Foreign Body	Moderate
		Infiltration Cellular	Histiocyte, Minimal
Nose	Lumen	Hemorrhage	Mild
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Mammary Gland
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Extra Adr Tiss	Developmental Malformation Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign Leukemia Mononuclear	
Bone Marrow		Fibrosis	Mild
Heart	Myocardium	Leukemia Mononuclear	
Kidney		Inflammation Leukemia Mononuclear	Chronic, Marked
		Nephropathy	Moderate
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia Leukemia Mononuclear	Marked
Lung		Leukemia Mononuclear	
Note: MASS AT NECROPSY NOT FOUND MICROSCOPICALLY			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Pancreatic	Pigmentation	Moderate
Note: TRC LES 1 (PANCREATIC L. NODE)--LEUKEMIA MONUC			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
Pancreas		Adenoma Atrophy	Moderate
Pituitary Gland		Leukemia Mononuclear	
Preputial Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Inflammation	Suppurative, Mild
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
Stomach	Forestomach, Mucosa	Hyperplasia	Moderate
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Mammary Gland
Nose	Parathyroid Gland	Peripheral Nerve	Preputial Gland
Prostate	Salivary Glands	Skin	Stomach
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney		Leukemia Mononuclear	
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Atrophy	Moderate
	Mandibular	Leukemia Mononuclear	
Pancreas		Atrophy	Marked
Pituitary Gland	Pars Intermed	Cyst	
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 23	TRT#: 5 DOSE: 4.0 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 477 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Liver	Lymph Node
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Prostate	Salivary Glands	Stomach	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Eye	Preputial Gland
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OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver			
Note: POSSIBLE EARLY MONONUCLEAR LEUKEMIA; NOT CODED			
Lung		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Atrophy	Mild
		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Subcut Tiss	Schwannoma Malignant	
Note: TRC LES 1--SCHWANNOMA MALIG			
Spleen		Hematopoietic Cell Proliferation Granulocytic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: PREPUTIAL GL NOT REQUIRED PRIOR TO 6/1/82

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lung	Lymph Node	Nose	Parathyroid Gland
Peripheral Nerve	Preputial Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hematocyst	
	Medulla	Pheochromocytoma Benign	
Heart	Myocardium	Fibrosis	Mild
		Thrombosis	
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Mammary Gland		Fibroadenoma	
Note: TRC LES 1--FIBROADENOMA			
Mesentery		Mesothelioma Malignant	
Note: TRC LES 2 AND 3--MESOTHELIOMA MAL			
Pancreas		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 24

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Prostate	Salivary Glands	Thymus	Trachea
Urinary Bladder			

MISSING

Skin

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
		Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
		Cyst Multilocular	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: TRC LES 1--PANCREATIC L. NODE-LEUKEMIA, MONUC			
Pancreas		Atrophy	Minimal
Note: TRC LES 1--ATROPHY			
Pituitary Gland	Pars Intermed	Cyst	
Preputial Gland		Adenoma	
		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 24	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 2--ADENOMA AND INFLAMMATION

Spleen		Leukemia Mononuclear	
Stomach	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 24	TRT#: 5	SEX: Male	DAY ON TEST: 404
	DOSE: 4.0 MG/KG	DISP: Accident	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Mammary Gland	Pancreas
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Nose	Parathyroid Gland	Preputial Gland	
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OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Minimal
Liver	Hepatocyte	Vacuolization Cytoplasmic	Marked
Lung		Foreign Body	Mild
Prostate		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: NOSE AND PREPUTIAL GL NOT REQUIRED PRIOR TO 6/1/82

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 25 TRT#: 1 SEX: Male DAY ON TEST: 651
DOSE: VEHICLE CONTROL DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Necrosis	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Moderate
Mesentery		Mesothelioma Malignant	
		Pigmentation	Moderate
Note: TRC LES 1,2,3,AND 4--MESOTHELIOMA MAL			
Preputial Gland		Inflammation	Chronic, Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:03
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 25	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lung	Nose	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Preputial Gland	Salivary Glands	Skin
Spleen	Stomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Lymphatic, Mesenteric	Ectasia	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Adenoma	
		Atrophy	Mild
Prostate		Inflammation	Suppurative, Moderate
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Lymph Node
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Skin	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Hyperplasia	Mild
Heart	Myocardium	Fibrosis	Mild
Islets, Pancreatic		Adenoma	Multiple
Kidney		Inflammation	Chronic, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Mild
Pancreas		Adenoma	
		Atrophy	Minimal
Preputial Gland		Adenoma	
		Inflammation	Suppurative, Marked
Note: TRC LES 1 AND 1B-ADENOMA AND INFLAMMATION			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
		Hematopoietic Cell Proliferation Granulocytic	Moderate
		Leukemia Mononuclear	
Stomach	Glandular	Mineralization	Mild
Testes	Interstitial Cell	Adenoma	Multiple
	Seminif Tub	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Follicle

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 587

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Small	Islets, Pancreatic	Lung
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Stomach	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland		Hematopoietic Cell Proliferation	Mild
	Medulla	Hyperplasia	Mild
Heart	Myocardium	Fibrosis	Moderate
	Myocardium	Inflammation	Chronic Active, Moderate
		Thrombosis	
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Hematopoietic Cell Proliferation	Mild
	Centrilobular, Hepatocyte	Necrosis	Mild
Lymph Node	Mediastinal	Atrophy	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Lumen	Inflammation	Suppurative, Mild
Preputial Gland		Adenoma	
		Inflammation	Suppurative, Marked
Note: TRC LES 1--INFLAMM. AND ADENOMA			
Prostate		Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Marked
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:03

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Small	Islets, Pancreatic	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach	Thyroid Gland	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
Blood Vessel		Inflammation	Chronic Active, Moderate
		Mineralization	Moderate
Note: THE INFLAMMATION OCURRED IN A MEDIASTINAL BLOOD VESSEL			
Eye	Retina	Atrophy	Moderate
		Cataract	Minimal
Heart	Myocardium	Fibrosis	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
	Colon	Polyp Adenomatous	
Note: TRC LES 1--POLYP ADENOMATOUS			
Kidney		Inflammation	Chronic, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Moderate
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Corpora Amylacea	Moderate
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 5

SEX: Male

DAY ON TEST: 533

DOSE: 4.0 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Preputial Gland	Salivary Glands
Skin	Spleen	Stomach	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: TRC LES 1--SIMILAR TO REGULAR LIVER SECTION			
Lung		Edema	Diffuse, Mild
		Foreign Body	Mild
Pancreas		Adenoma	
Prostate		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:04
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood Vessel		Hypertrophy	Moderate
		Inflammation	Chronic Active, Moderate
Note: TRC LES 1--HYPERTROPHY AND INFLAMMATION			
Heart	Myocardium	Fibrosis	Minimal
Kidney		Inflammation	Suppurative, Minimal
		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Note: POSSIBLE EARLY LEUKEMIA MONUC; NOT CODED			
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lymphatic, Mandibular	Ectasia	Mild
	Lymphatic, Mediastinal	Ectasia	Mild
	Lymphatic, Mesenteric	Ectasia	Mild
	Mandibular	Hyperplasia	Plasma Cell, Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Mediastinal	Pigmentation	Moderate
Nose	Lumen	Foreign Body	Mild
	Lumen	Inflammation	Suppurative, Mild
Pancreas		Hyperplasia	Minimal
Note: LESIONS AT NECROPSY PROB. HYPERTROPHIED BL. VESSELS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Peripheral Nerve		Infiltration Cellular	Polymorphnuclr, Lymphocyte, Minimal
Skin	Subcut Tiss	Fibrosarcoma	
Note: TRC LES 2--FIBROSARCOMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Stomach	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Intestine Large
Intestine Small	Nose	Parathyroid Gland	Peripheral Nerve
Preputial Gland	Salivary Glands	Spleen	Testes
Trachea	Urinary Bladder		

MISSING

Esophagus	Thymus		
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OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Brain		Necrosis	Mild
Note: THE NECROSIS IS WITHIN THE MEDULLA			
Heart	Myocardium	Fibrosis	Moderate
Islets, Pancreatic		Adenoma	Multiple
Note: TRC LES 4--ADENOMA			
Kidney		Inflammation	Chronic, Moderate
	Renal Tubule	Mineralization	Mild
		Nephropathy	Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Atrophy	Marked
	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mammary Gland		Hyperplasia	Cystic, Moderate
Note: TRC LES 1--HYPERPLASIA, CYSTIC			
Pancreas		Adenoma	Multiple
		Atrophy	Mild
Note: TRC LES 4--ADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 27	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Skin	Subcut Tiss	Fibroma Squamous Cell Papilloma	
Note: TRC LES 3--FIBROMA Note: TRC LES 2--PAPILLOMA SQUA			
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
Thyroid Gland	Follicle	Dilatation	Mild
	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Mild
Tongue		Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Mammary Gland
Nose	Parathyroid Gland	Peripheral Nerve	Preputial Gland
Prostate	Salivary Glands	Spleen	Stomach
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Brain		Degeneration	Multiple, Moderate
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Mild
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Chronic, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mediastinal	Pigmentation	Marked
Pancreas		Adenoma	Multiple
Pituitary Gland	Pars Distalis	Cyst	
Skin		Acanthosis	Mild
		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Moderate
		Necrosis	Marked

Note: TRC LES 2- NECROSIS AND CHRONIC INFLAM AND SUPP INFLAM

Note: TRC LES 1- ACANTHOSIS

Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large	Intestine Small
Lymph Node	Nose	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Stomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Islets, Pancreatic		Adenoma	
Note: TRC LES 6--ADENOMA			
Kidney		Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
Note: TRC LES 2--FIBRADENOMA			
Mesentery	Fat	Necrosis	Focal, Mild
Note: TRC LES 3--NECROSIS			
Pancreas		Adenoma	
		Atrophy	Minimal
Note: TRC LES 5--NO LESION			
Note: TRC LES 6--ADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 28	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Corpora Amylacea Inflammation	Mild Suppurative, Mild
Note: TRC LES 4--CORPORA AMYLACEA			
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 1--FIBROMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 28

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Epididymis
Intestine Large	Intestine Small	Mammary Gland	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Stomach	Thymus	Urinary Bladder

MISSING

Esophagus

OBSERVATIONS

Brain	Cerebrum	Degeneration	Mild
Heart	Myocardium	Fibrosis	Mild
Islets, Pancreatic		Adenoma	
Note: TRC LES 1--ADENOMA			
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Adenomatosis	Mild
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mesenteric	Hemorrhage	Mild
Pancreas		Adenoma	
		Atrophy	Mild
		Hyperplasia	Moderate
Preputial Gland		Inflammation	Suppurative, Mild
Skin		Acanthosis	Mild
		Exudate	Mild
		Inflammation	Chronic Active, Mild
Note: LESIONS ON SLIDE WITH PREPUTIAL GLAND			
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Trachea	Lumen	Exudate	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 5

SEX: Male

DAY ON TEST: 586

DOSE: 4.0 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Lymph Node	Mammary Gland
Nose	Pancreas	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spleen	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland	Thymus
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INSUFFICIENT TISSUE

Islets, Pancreatic

OBSERVATIONS

Heart	Myocardium	Inflammation	Chronic, Mild
Intestine Large	Cecum	Erosion	Moderate
Intestine Small	Ileum	Ulcer	Moderate
Note: TRC LES 3 (ILEUM)--ULCER			
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung	Artery, Media	Hypertrophy	Mild
		Infiltration Cellular	Histiocyte, Minimal
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Suppurative, Mild
Stomach	Glandular	Hemorrhage	Moderate
	Glandular	Necrosis	Moderate
	Forestomach	Ulcer	Moderate
Note: TRC LES 1--NOT REMARKABLE			
Note: TRC LES 2--ULCER			
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Small	Islets, Pancreatic	Mammary Gland
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart	Myocardium	Fibrosis	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: TRC LES 3--SIMILAR TO REGULAR LIVER SECTION			
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mesenteric	Leukemia Mononuclear	
Pancreas		Adenoma	Multiple
Note: TRC LES 2--ADENOMA			
Preputial Gland		Inflammation	Chronic, Mild
Skin		Keratoacanthoma	
Note: TRC LES 1--KERATOACANTHOMA			
Spleen		Leukemia Mononuclear	
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 3

SEX: Male

DAY ON TEST: 638

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Mammary Gland	Nose
Parathyroid Gland	Peripheral Nerve	Preputial Gland	Prostate
Salivary Glands	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Brain	Thalamus	Degeneration	Mild
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
Pancreas		Adenoma	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Cyst Epithelial Inclusion	
Note: TRC LES 1--CYST EPITH INC			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 5

SEX: Male

DAY ON TEST: 653

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large	Intestine Small	Mammary Gland	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Stomach
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood Vessel		Hypertrophy	Moderate
		Inflammation	Chronic Active, Moderate
		Thrombosis	
Note: TRC LES 3--HYPERTROPHY, INFLAMMATION AND THROMBUS			
Note: TRC LES 1--HYPERTROPHY AND INFLAMMATION			
Brain		Degeneration	Multiple, Moderate
Heart	Myocardium	Fibrosis	Moderate
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver	Portal	Fibrosis	Mild
Lung		Foreign Body	Mild
		Inflammation	Granulomatous, Moderate
Lymph Node	Mediastinal	Erythrophagocytosis	Moderate
Pancreas		Hyperplasia	Mild
Spleen		Atrophy	Mild
Note: TRC LES 2--ATROPHY			
Note: TRC LES 2--ATROPHY			
Stomach			
Note: MASS AT NECROPSY NOT SEEN MICROSCOPICALLY			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 29

TRT#: 5
DOSE: 4.0 MG/KG

SEX: Male
DISP: Moribund

DAY ON TEST: 653
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Adenoma
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 705

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Islets, Pancreatic	Lymph Node	Mammary Gland
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spleen	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Hemorrhage	Moderate
Heart	Myocardium	Fibrosis	Mild
Intestine Small	Jejunum	Inflammation	Chronic, Moderate
Note: TRC LES 2--INFLAMMATION			
Kidney		Inflammation	Chronic, Moderate
	Renal Tubule	Mineralization	Mild
		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Nose	Lumen	Inflammation	Suppurative, Mild
Pancreas		Adenoma	
Note: TRC LES 2--ADENOMA			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Hyperplasia	Marked
		Inflammation	Suppurative, Marked
Note: TRC LES 1--INFLAMMATION AND HYPERPLASIA			
Prostate		Fibrosis	Moderate
Stomach	Glandular	Erosion	Marked
	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Ulcer	Marked
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 705

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 30	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Intestine Large
Intestine Small	Islets, Pancreatic	Lung	Lymph Node
Mammary Gland	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Esophagus	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Astrocytoma Malignant	
Heart	Myocardium	Fibrosis	Moderate
Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Nose	Lumen	Inflammation	Suppurative, Mild
Pancreas		Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Small	Islets, Pancreatic	Lymph Node	Mammary Gland
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Spleen	Stomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Blood Vessel		Mineralization	Mild
Note: THE MINERALIZATION IS IN THE PULMONARY ARTERY			
Bone		Hyperplasia	Moderate
		Necrosis	Moderate
Heart	Myocardium	Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Pancreas		Adenoma	
		Hyperplasia	Moderate
Note: TRC LES 2- ADENOMA			
Skin		Squamous Cell Papilloma	
Note: TRC LES 1--PAPILLOMA SQUA			
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 5

DOSE: 4.0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Pancreas
Parathyroid Gland	Peripheral Nerve	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

INSUFFICIENT TISSUE

Salivary Glands

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Hyperplasia	Moderate
Heart	Myocardium	Inflammation	Chronic, Mild
Kidney		Inflammation	Chronic, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Multifocal, Mild
Lung		Inflammation	Granulomatous, Moderate
Lymph Node	Mesenteric	Atrophy	Moderate
	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Hyperplasia	Plasma Cell, Moderate
Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Necrosis	Mild
Nose	Lumen	Fungus	Marked
	Lumen	Inflammation	Suppurative, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Hyperplasia	Moderate
		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 31	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 1--INFLAMMATION AND HYPERPLASIA

Prostate		Fibrosis	Marked
		Inflammation	Chronic, Marked
		Inflammation	Suppurative, Marked

Note: TRC LES 2--INFLAMMATION AND FIBROSIS

Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
		Leukemia Mononuclear	
Stomach	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 31 TRT#: 3 SEX: Male DAY ON TEST: 692
DOSE: 8.0 MG/KG DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Brain		Degeneration	Multiple, Mild
Note: THE DEGENERATION CONSISTS OF STATUS SPONGIOSIS			
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Tongue	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Islets, Pancreatic	Mammary Gland
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Skin	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Stomach	Thymus
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OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Intestine Small	Ileum	Mineralization	Moderate
Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: TRC LES 1--CHANGES CONSIST. W/ DIAPHRAG. HERNIA; NOT CODED			
Lung		Adenomatosis	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Pancreas		Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Spleen		Atrophy	Moderate
		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 606
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lung	Lymph Node	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Oligodendroglioma Malignant	
Heart	Myocardium	Fibrosis	Moderate
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Spleen		Hyperplasia	Histiocytic, Moderate
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:04
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 32 TRT#: 3 SEX: Male DAY ON TEST: 729
 DOSE: 8.0 MG/KG DISP: Terminal Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Trachea	Urinary Bladder

MISSING

Esophagus	Thymus
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OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Lung	Hepatocyte	Vacuolization Cytoplasmic	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
Pancreas		Lymphoma Malignant Lymphocytic	
		Adenoma	
		Atrophy	Mild
		Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic, Moderate
Prostate		Inflammation	Suppurative, Mild
Seminal Vesicle		Lymphoma Malignant Lymphocytic	
Skin		Lymphoma Malignant Lymphocytic	
Note: TRC LES 1, 2 AND 3 -- LYMPHOMA MAL LYMP			
Spleen		Lymphoma Malignant Lymphocytic	
Stomach	Forestomach	Mineralization	Mild
	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland	Follicle	Dilatation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 3

DOSE: 8.0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small	Islets, Pancreatic
Lymph Node	Nose	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Spleen	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Moderate
Prostate		Inflammation	Suppurative, Mild
Skin		Squamous Cell Papilloma	
Note: TRC LES 1--PAPILLOMA SQUA			
Stomach	Glandular	Mineralization	Moderate
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 5

DOSE: 4.0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Lymph Node	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Preputial Gland	Salivary Glands
Stomach	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart	Myocardium	Fibrosis	Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
Lung		Infiltration Cellular	Histiocyte, Mild
Pancreas		Atrophy	Moderate
Prostate		Corpora Amylacea	Mild
Skin		Inflammation	Suppurative, Mild
Note: LESION IS ON THE 1ST NASAL SECTION			
Spleen		Atrophy	Moderate
		Fibrosis	Moderate
Testes	Interstitial Cell	Adenoma	Multiple
Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 33

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Small
Islets, Pancreatic	Mammary Gland	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Preputial Gland	Salivary Glands	Skin
Spleen	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Nodular, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Inflammation	Granulomatous, Minimal
Lymph Node	Lymphatic, Mandibular	Ectasia	Mild
Nose	Mucosa	Hyperplasia	Mild
	Lumen	Inflammation	Suppurative, Moderate
	Nasolacrim Dct	Inflammation	Suppurative, Moderate
	Submucosa	Inflammation	Chronic, Moderate
Pancreas		Adenoma	Multiple
Prostate	Epithelium	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 33

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Mammary Gland
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Degeneration	Multiple, Mild
Heart	Myocardium	Inflammation	Chronic Active, Mild
Kidney		Inflammation	Suppurative, Minimal
		Inflammation	Chronic, Mild
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Nose	Lumen	Foreign Body	Moderate
	Nasopharyn Dct	Foreign Body	Moderate
	Lumen	Inflammation	Suppurative, Moderate
	Nasopharyn Dct	Inflammation	Suppurative, Mild
	Submucosa	Inflammation	Chronic, Mild
Pancreas		Adenoma	
		Hyperplasia	Mild
Preputial Gland		Adenoma	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Moderate
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Small	Islets, Pancreatic	Lymph Node	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Preputial Gland
Salivary Glands	Skin	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Extra Adr Tiss Cortex	Developmental Malformation Hematocyst Mineralization	Marked
Blood Vessel			
Note: TRC LES 6--MINERALIZATION			
Bone		Fibrous Osteodystrophy	Mild
Heart	Myocardium Artery Myocardium	Fibrosis Mineralization Mineralization	Moderate Mild Mild
Intestine Large	Colon	Mineralization	Marked
Note: TRC LES 7--MINERALIZATION			
Kidney	Renal Tubule Renal Tubule Papilla	Dilatation Hydronephrosis Mineralization Necrosis Nephropathy	Moderate Marked Marked Moderate Moderate
Note: TRC LES 4--HYDRONEPHROSIS			
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Suppurative, Mild
	Parenchyma	Mineralization	Moderate
Mammary Gland		Fibroadenoma Hyperplasia Hyperplasia	Cystic, Marked Lobular, Marked
Note: TRC LES 2--LOBULAR HYPERPLASIA AND FIBROADENOMA			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 1--CYSTIC AND LOBULAR HYPERPLASIA

Pituitary Gland

Pars Distalis

Adenoma

Prostate

Carcinoma

Note: TRC LES 3--CARCINOMA

Spleen

Pigmentation

Hemosiderin, Marked

Stomach

Forestomach

Mineralization

Marked

Glandular

Mineralization

Marked

Testes

Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Thymus

Ectopic Parathyroid Gland

Ureter

Dilatation

Moderate

Note: TRC LES 5--DILATATION

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 3

SEX: Male

DAY ON TEST: 660

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Lymph Node
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Skin	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Hyperplasia Pheochromocytoma Benign	Mild
Heart		Thrombosis	
Note: NO MICROS. LESION; MASS SEEN @ NECROPSY LOST IN PROCESS.			
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct Centrilobular, Hepatocyte	Hyperplasia Necrosis	Minimal Mild
Lung		Alveolar/Bronchiolar Adenoma Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Fibroadenoma	
Note: TRC LES 2--FIBROADENOMA			
Pancreas		Adenoma Atrophy	Mild
Preputial Gland		Adenoma Inflammation	Suppurative, Moderate
Note: TRC LES 1--ADENOMA AND INFLAMMATION			
Spleen		Hematopoietic Cell Proliferation Granulocytic	Moderate
Stomach	Glandular Glandular	Inflammation Ulcer	Chronic Active, Mild Marked
Testes	Interstitial Cell Seminif Tub	Adenoma Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 3

SEX: Male

DAY ON TEST: 660

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 34

TRT#: 5
DOSE: 4.0 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lung	Lymph Node	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Trachea	Urinary Bladder

MISSING

Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Preputial Gland		Inflammation	Suppurative, Mild
Prostate		Corpora Amylacea	Mild
		Inflammation	Suppurative, Moderate
Stomach	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Basophilic Focus	
		Eosinophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Moderate
Pancreas		Adenoma	Multiple
Preputial Gland		Carcinoma	
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
Testes	Interstitial Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:04
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 35 TRT#: 3 SEX: Male DAY ON TEST: 610
 DOSE: 8.0 MG/KG DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Preputial Gland	Prostate	Thymus
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OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
Liver		Angiectasis	Moderate
	Hepatocyte	Atrophy	Multifocal, Moderate
	Hepatocyte	Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: TRC LES 1--LEUKEMIA MONUC			
Pancreas		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Edema	Mild
	Forestomach, Mucosa	Hyperplasia	Mild
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 3

DOSE: 8.0 MG/KG

SEX: Male

DISP: Moribund

DAY ON TEST: 610

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 5

SEX: Male

DAY ON TEST: 644

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Adenomatosis	Moderate
		Leukemia Mononuclear	
Lymph Node	Lymphatic, Mandibular	Ectasia	Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Lobular, Moderate
Pancreas		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic, Moderate
Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	

Note: TRC LES 1--KERATOACANTHOMA

Note: TRC LES 2--FIBROMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 35	TRT#: 5	SEX: Male	DAY ON TEST: 644
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Stomach	Glandular	Ulcer	Moderate
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	Multiple
Bone Marrow		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Mild
		Leukemia Mononuclear	
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Mild
		Clear Cell Focus	
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Preputial Gland		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Moderate
Prostate		Inflammation	Suppurative, Mild
Skin		Foreign Body	Moderate
		Inflammation	Granulomatous, Moderate
Note: TRC LES 1--FORIEGN BODY AND INFLAMMATION			
Spleen		Leukemia Mononuclear	
Note: TRC LES 2--LEUKEMIA MONUC			
Stomach		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Small	Islets, Pancreatic	Mammary Gland	Nose
Parathyroid Gland	Peripheral Nerve	Preputial Gland	Prostate
Stomach	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Eye	Retina	Atrophy	Marked
		Cataract	Mild
Heart	Myocardium	Inflammation	Chronic, Minimal
Intestine Large	Cecum	Mineralization	Moderate
	Cecum	Parasite Metazoan	Mild
Kidney		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Lung		Fibrosarcoma	Metastatic (Skin)
		Infiltration Cellular	Histiocyte, Mild
Lymph Node		Fibrosarcoma	Metastatic (Skin)
Pancreas		Adenoma	
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Salivary Glands		Fibrosarcoma	Metastatic (Skin)
Skin	Subcut Tiss	Fibrosarcoma	
Note: TRC LES 1--FIBROSARCOMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 36

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 5

SEX: Male

DAY ON TEST: 634

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Intestine Large	Intestine Small	Islets, Pancreatic
Lung	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Preputial Gland	Prostate
Salivary Glands	Skin	Spleen	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Esophagus

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver	Portal	Fibrosis	Minimal
Lymph Node	Mesenteric	Hemorrhage	Moderate
Pituitary Gland	Pars Distalis	Cyst	
Skeletal Muscle		Inflammation	Suppurative, Moderate
Stomach	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Necrosis	Marked
	Forestomach	Perforation	
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Lung	Lymph Node	Mammary Gland	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Preputial Gland
Salivary Glands	Skin	Spleen	Stomach
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Heart	Myocardium	Fibrosis	Moderate
Islets, Pancreatic		Adenoma	
Note: TRC LES 1--ADENOMA			
Kidney		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Pancreas		Adenoma	
		Hyperplasia	Moderate
Prostate		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 3

SEX: Male

DAY ON TEST: 592

DOSE: 8.0 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small	Islets, Pancreatic
Nose	Parathyroid Gland	Preputial Gland	Salivary Glands
Skin	Spleen	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Peripheral Nerve

OBSERVATIONS

Heart	Myocardium	Fibrosis	Moderate
Intestine Large	Colon	Edema	Mild
	Colon	Inflammation	Chronic Active, Moderate
Note: LESIONS ON SLIDE WITH TRC LES 2			
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Edema	Diffuse, Moderate
Lymph Node	Mediastinal	Hemorrhage	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Edema	Marked
		Inflammation	Suppurative, Marked
Stomach	Forestomach	Erosion	Mild
Note: TRC LES 1--EROSION			
Note: TRC LES 2--NOT REMARKABLE			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:04
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 37 TRT#: 5 SEX: Male DAY ON TEST: 698
 DOSE: 4.0 MG/KG DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Heart	Intestine Large	Intestine Small	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Extra Adr Tiss	Developmental Malformation	
Brain		Degeneration	Multiple, Moderate
Islets, Pancreatic		Adenoma	
Note: TRC LES 1- ADENOMA			
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Moderate
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Nose			
Note: EXCESS NERVE TISS ASSOC W/ OLFACT EPITHEL; SIGNIF. UNKN			
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Moderate
Stomach	Forestomach	Inflammation	Chronic, Mild
	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 5

DOSE: 4.0 MG/KG

SEX: Male

DISP: Moribund

DAY ON TEST: 698

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Skeletal Muscle	Skin	Stomach	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Brain		Degeneration	Multiple, Moderate
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Mild
Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
Mesentery		Mesothelioma Malignant	
Note: TRC LES 1 AND 2--MESOTHELIOMA MAL			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Spleen		Pigmentation	Hemosiderin, Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Moderate
Thymus		Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 3

SEX: Male

DAY ON TEST: 692

DOSE: 8.0 MG/KG

DISP: Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Intestine Large
Intestine Small	Islets, Pancreatic	Lymph Node	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Preputial Gland	Salivary Glands	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

INSUFFICIENT TISSUE

Esophagus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Note: TRC LES 1--PHEOCHROMOCYTOMA MALIGNANT			
Brain		Degeneration	Multiple, Moderate
Heart	Myocardium	Fibrosis	Moderate
	Myocardium	Mineralization	Minimal
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: MATERIAL RESEMBLING MINERALIZ.; POSS. ARTIFACT; NOT CODED			
Lung		Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Adenoma	
	Glandular	Mineralization	Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 3

SEX: Male

DAY ON TEST: 692

DOSE: 8.0 MG/KG

DISP: Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 38 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 733
DOSE: 4.0 MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Islets, Pancreatic	Nose	Parathyroid Gland	Prostate
Salivary Glands	Trachea		

MISSING

Peripheral Nerve	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Moderate
		Leukemia Mononuclear	
Intestine Large	Cecum	Lipoma	
Note: TRC LES 3--LIPOMA			
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
Liver	Hepatocyte	Atrophy	Multifocal, Mild
		Cyst Multilocular	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Atrophy	Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Suppurative, Moderate
		Inflammation	Chronic, Moderate
Skin		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 38	TRT#: 5	SEX: Male	DAY ON TEST: 733
	DOSE: 4.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 1- KERATOACANTHMA

Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate

Note: TRC LES 2- NECROSIS AND FIBROSIS

Stomach	Forestomach	Mineralization	Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Mild
Thyroid Gland		Ultimobranchial Cyst	
Tongue	Epithelium	Hyperplasia	Mild
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 393
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Epididymis
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Liver	Lung	Lymph Node
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Nose

OBSERVATIONS

Brain	Thalamus	Hemorrhage	Moderate
Kidney		Nephropathy	Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery		Inflammation	Chronic Active, Moderate
Note: TRC LES 2--INFLAMMATION			
Pituitary Gland	Pars Distalis	Carcinoma	
Preputial Gland		Hyperplasia	Moderate
		Inflammation	Suppurative, Marked
Note: TRC LES 1--INFLAMM. AND HYPERPLASIA			
Prostate		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Islets, Pancreatic	Lymph Node
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Spleen	Stomach	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Heart	Myocardium	Fibrosis	Moderate
Intestine Large	Rectum	Parasite Metazoan	Minimal
Intestine Small	Jejunum, Muscularis	Hyperplasia	Moderate
Kidney		Nephropathy	Mild
Liver	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Mild
Pancreas		Adenoma	Multiple
Note: TRC LES 2 - ADENOMA			
Skin		Acanthosis	Moderate
		Exudate	Moderate
Note: TRC LES 1 - ACANTHOSIS AND EXUDATE			
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 39	TRT#: 5	SEX: Male	DAY ON TEST: 468
	DOSE: 4.0 MG/KG	DISP: Accident	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Preputial Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Minimal
Liver	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Small
Islets, Pancreatic	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Prostate	Salivary Glands
Stomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Skin	Thymus
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OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	Multiple
Bone Marrow		Leukemia Mononuclear	
Brain	Cerebrum	Degeneration	Mild
Heart	Myocardium	Fibrosis	Moderate
Note: NODULE AT NECROPSY NOT SEEN MICROSCOPICALLY			
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
Lymph Node	Lymphatic, Mandibular	Ectasia	Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: TRC LES 1--LEUKEMIA MONUC (PANCREATIC)			
Note: TRC LES 2--LEUKEMIA MONUC (MESENTERIC)			
Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 40	TRT#: 1	SEX: Male	DAY ON TEST: 715
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Hyperplasia	Moderate
		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 40 TRT#: 3 SEX: Male DAY ON TEST: 621
DOSE: 8.0 MG/KG DISP: Dead HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Islets, Pancreatic	Lymph Node
Pancreas	Parathyroid Gland	Peripheral Nerve	Preputial Gland
Salivary Glands	Skin	Spleen	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Heart	Myocardium	Fibrosis	Mild
Intestine Small	Duodenum	Erosion	Moderate
	Duodenum	Inflammation	Chronic, Mild
Note: TRC LES 1--INFLAMMATION			
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
Liver	Hepatocyte	Vacuolization Cytoplasmic	Marked
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Cystic, Marked
Nose	Lumen	Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Prostate		Inflammation	Suppurative, Moderate
Stomach	Glandular	Erosion	Moderate
	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Perforation	

Note: TRC LES 3--EROSION

Note: TRC LES 2--PERFORATION AND HYPERPLASIA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:04
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 40 TRT#: 5 SEX: Male DAY ON TEST: 695
 DOSE: 4.0 MG/KG DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Mammary Gland
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Skin	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	Multiple
Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Marked
Eye	Retina	Atrophy	Mild
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Metaplasia	Osseous, Mild
Kidney	Renal Tubule	Adenoma	
		Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Minimal
	Renal Tubule	Mineralization	Mild
		Nephropathy	Moderate
Note: TRC LES 1- ADENOMA			
Liver		Angiectasis	Moderate
	Hepatocyte	Atrophy	Multifocal, Mild
	Bile Duct	Hyperplasia	Marked
	Hepatocyte	Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: TRC LES 2- ANGIECTASIS			
Lung		Adenomatosi	Mild
		Edema	Diffuse, Moderate
		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
		Pheochromocytoma Malignant	Metastatic (Adrenal Gland)
Lymph Node	Lymphatic, Mediastinal	Ectasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 40	TRT#: 5	SEX: Male	DAY ON TEST: 695
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Nose	Lumen	Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Ectasia	Mild
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Erosion	Mild
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Small	Islets, Pancreatic	Mammary Gland	Nose
Parathyroid Gland	Peripheral Nerve	Preputial Gland	Prostate
Salivary Glands	Spleen	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Bone Marrow		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
Liver		Basophilic Focus	
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Inguinal, Lymphatic	Ectasia	Moderate
	Inguinal	Hemorrhage	Moderate
Pancreas		Atrophy	Minimal
		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
Skin		Keratoacanthoma	
Note: TRC LES 1--KERATOACANTHOMA			
Stomach	Forestomach, Mucosa	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 41	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
Testes	Forestomach Interstitial Cell Seminif Tub	Inflammation Adenoma Mineralization	Chronic, Mild Multiple Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 41

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Minimal
Heart	Myocardium	Fibrosis	Mild
Kidney	Renal Tubule	Inflammation	Suppurative, Minimal
		Mineralization	Minimal
Liver	Hepatocyte	Nephropathy	Minimal
		Atrophy	Multifocal, Mild
		Fibrosis	Mild
Lung	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lymphatic, Mandibular	Leukemia Mononuclear	
		Ectasia	Moderate
		Hyperplasia	Plasma Cell, Moderate
Pancreas	Pancreatic	Leukemia Mononuclear	
Spleen	Interstit Cell	Adenoma	
		Leukemia Mononuclear	
Testes	Seminif Tub	Adenoma	
		Mineralization	Minimal
Zymbal's Gland		Carcinoma	

Note: TRC LES 2 - PANCREATIC LYMPH NODE LEUKEMIA MONONUC

Note: TRC LES 1 - CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Small	Islets, Pancreatic	Lymph Node
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Prostate	Salivary Glands	Skin	Spleen
Stomach	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
Heart	Cortex	Vacuolization Cytoplasmic	Mild
	Myocardium	Fibrosis	Mild
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Marked
		Nephropathy	Marked
Liver		Inflammation	Chronic, Mild
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland			
Note: MAMM. GL. SECTION IS ON SLIDE WITH PREPUTIAL GLAND			
Pancreas		Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
Note: TRC LES 1- HYPERPLASIA AND INFLAMMATION			
Testes	Interstitial Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Thyroid Gland	C Cell	Carcinoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 5

DOSE: 4.0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Spleen
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Extra Adr Tiss Cortex	Developmental Malformation Hyperplasia	Mild
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation Nephropathy	Chronic, Mild Mild
Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation	Mild Chronic, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Stomach	Glandular Glandular	Cyst Mineralization	
Testes	Interstit Cell	Adenoma	Moderate Multiple
Tooth		Inflammation	Chronic, Moderate

Note: LESION IS WITH THE 3RD NASAL SECTION

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:04
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 42 TRT#: 3 SEX: Male DAY ON TEST: 564
 DOSE: 8.0 MG/KG DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Reticulum Cell, Marked
Heart		Thrombosis	
Kidney		Nephropathy	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Lung		Adenomatosis	Mild
		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Focal, Moderate
Note: TRC LES 2--NECROSIS			
Pancreas		Adenoma	
		Hyperplasia	Mild
Skin		Squamous Cell Papilloma	
Note: TRC LES 1--PAPILLOMA SQUAMOUS			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
		Lymphoma Malignant Histiocytic	
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 5

SEX: Male

DAY ON TEST: 561

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Stomach	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Eye	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Angiectasis	Mild
		Hyperplasia	Moderate
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung	Artery, Media	Hypertrophy	Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mandibular	Hyperplasia	Plasma Cell, Mild
Preputial Gland		Ectasia	Marked
		Hyperplasia	Marked
		Inflammation	Suppurative, Marked
Note: TRC LES 1--HYPERPLASIA, INFLAMM,AND ECTASIA			
Prostate		Foreign Body	Mild
		Inflammation	Suppurative, Moderate
		Inflammation	Granulomatous, Marked
Skin		Edema	Mild
Note: TRC LES 2--EDEMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
Testes	Interstit Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 5

SEX: Male

DAY ON TEST: 561

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small	Islets, Pancreatic
Lymph Node	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Spleen	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Heart	Myocardium	Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Nose	Lumen	Foreign Body	Moderate
	Mucosa	Hyperplasia	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Inflammation	Chronic, Moderate
Pancreas		Adenoma	
		Atrophy	Moderate
Preputial Gland		Inflammation	Chronic, Mild
Skin		Squamous Cell Papilloma	
		Note: TRC LES 1--PAPALLOMA SQUAMOUS	
Stomach	Glandular	Mineralization	Moderate
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Preputial Gland	Prostate
Salivary Glands	Stomach	Testes	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Mild
Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Moderate
Pancreas		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Inflammation	Suppurative, Moderate
Note: LESION IS WITH THE FIRST NASAL SECTION			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 3

DOSE: 8.0 MG/KG

SEX: Male

DISP: Moribund

DAY ON TEST: 623

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Skin	Stomach	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Peripheral Nerve	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
Bone Marrow		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Mild
Intest Small			
Note: TRC LES 1--NOT REMARKABLE			
Kidney	Epithelium, Pelvis	Hyperplasia	Moderate
	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Metaplasia	Osseous, Minimal
Lymph Node	Mesenteric	Atrophy	Moderate
	Lymphatic, Mediastinal	Ectasia	Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Prostate		Corpora Amylacea	Moderate
Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation Erythrocytic	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 43	TRT#: 5	SEX: Male	DAY ON TEST: 645
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Mild
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Spleen	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Pancreas		Atrophy	Marked
Skin	Subcut Tiss	Fibroma	
		Squamous Cell Papilloma	
Note: TRC LES 1--FIBROMA Note: TRC LES 2--PAPILLOMA SQUAMOUS			
Stomach	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 44

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Mammary Gland	Nose
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Focal, Moderate
Note: TRC LES 1 - NECROSIS			
Pancreas		Adenoma	Multiple
Note: TRC LES 2 - ADENOMA			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Intermed	Cyst	
Preputial Gland		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Mild
Prostate		Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Mammary Gland	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Spleen	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Extra Adr Tiss Medulla	Developmental Malformation Pheochromocytoma Benign	
Kidney		Inflammation Nephropathy	Chronic, Marked Moderate
Liver		Basophilic Focus Clear Cell Focus Cyst Multilocular	
Lung	Bile Duct	Hyperplasia Infiltration Cellular	Mild Histiocyte, Minimal
Pancreas		Adenoma Atrophy	Multiple Minimal
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Adenoma	
Skin		Acanthosis Hyperkeratosis	Mild Moderate
Note: TRC LES 1- ACANTHOSIS AND HYPERKERATOSIS			
Stomach	Forestomach	Squamous Cell Papilloma	
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 45	TRT#: 1	SEX: Male	DAY ON TEST: 617
	DOSE: VEHICLE CONTROL	DISP: Accident	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Mammary Gland	Nose
Pancreas	Peripheral Nerve	Pituitary Gland	Skin
Spleen	Stomach	Urinary Bladder	

MISSING

Parathyroid Gland	Salivary Glands	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Edema	Diffuse, Moderate
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Suppurative, Moderate
Preputial Gland		Inflammation	Chronic, Moderate
Prostate		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:04
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 45 TRT#: 3 SEX: Male DAY ON TEST: 717
 DOSE: 8.0 MG/KG DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Mammary Gland	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Skin
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Brain		Degeneration	Multiple, Mild
	Cerebellum	Mineralization	Moderate
Ear	Middle Ear	Inflammation	Suppurative, Moderate
Heart	Myocardium	Fibrosis	Mild
		Leukemia Mononuclear	
Kidney		Fibrosis	Mild
		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose		Leukemia Mononuclear	
Pancreas		Atrophy	Mild
Preputial Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 45	TRT#: 3	SEX: Male	DAY ON TEST: 717
	DOSE: 8.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 1 - LEUKEMIA MONUC

Salivary Glands		Leukemia Mononuclear	
Seminal Vesicle		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Ulcer	Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Moderate
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lung	Mammary Gland	Nose	Peripheral Nerve
Pituitary Gland	Salivary Glands	Spleen	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
Heart	Myocardium	Fibrosis	Moderate
Kidney	Renal Tubule	Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild
		Mineralization	Minimal
Liver		Nephropathy	Moderate
		Cyst Multilocular	
Lymph Node	Mediastinal	Erythrophagocytosis	Moderate
	Mandibular	Hyperplasia	Lymphoid, Moderate
Pancreas		Adenoma	Multiple
		Atrophy	Mild
		Hyperplasia	Moderate
Parathyroid Gland		Adenoma	
Preputial Gland		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Mild
Prostate	Epithelium	Hyperplasia	Mild
Skin		Acanthosis	Mild
		Hyperkeratosis	Mild
		Inflammation	Chronic, Moderate

Note: TRC LES 1- ACANTHOSIS AND HYPERKERATOSIS
Note: THE INFLAMMATION IS ON THE FIRST NASAL SECTION

Stomach	Forestomach	Mineralization	Mild
Testes	Interstitial Cell	Adenoma	Multiple
Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lung
Lymph Node	Nose	Peripheral Nerve	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Mild
Brain		Compression	Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
Mammary Gland		Hyperplasia	Cystic, Moderate
Note: TRC LES 1--HYPERPLASIA, CYSTIC			
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Mild
Stomach	Glandular	Mineralization	Moderate
Testes	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Lung
Lymph Node	Nose	Parathyroid Gland	Peripheral Nerve
Preputial Gland	Salivary Glands	Spleen	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Mild
Intest Small			
Note: TRC LES 2 - NOT REMARKABLE			
Islets, Pancreatic		Adenoma	Multiple
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Mammary Gland		Hyperplasia	Cystic, Marked
Note: TRC LES 1 - HYPERPLASIA CYSTIC			
Pancreas		Adenoma	
		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Moderate
Skin		Inflammation	Suppurative, Mild
Note: THE INFLAMMATION IS ON THE FIRST NASAL SECTION			
Stomach	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic, Mild
Testes	Interstitial Cell	Hyperplasia	Mild
Note: NO NEOPLASM OBSERVED MICROSCOPICALLY			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 5

SEX: Male

DAY ON TEST: 679

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Lung	Nose
Parathyroid Gland	Peripheral Nerve	Thymus	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Salivary Glands

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
Heart	Myocardium	Fibrosis	Mild
Intestine Small	Duodenum, Mucosa	Hyperplasia	Marked
Islets, Pancreatic		Adenoma	
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Marked
Liver		Cyst Multilocular	
	Portal	Fibrosis	Moderate
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lymph Node	Lymphatic, Mandibular	Ectasia	Mild
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Ectopic Tissue	
	Fat	Fibrosis	Moderate
	Fat	Inflammation	Suppurative, Moderate
Note: TRC LES 1- INFLAMMATION AND FIBROSIS			
Pancreas		Adenoma	
		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Suppurative, Marked
Skin		Inflammation	Chronic, Moderate

Note: THE INFLAMMATION IS ON THE FIRST NASAL SECTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 46	TRT#: 5	SEX: Male	DAY ON TEST: 679
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Atrophy	Moderate
		Fibrosis	Mild
		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach, Mucosa	Hyperplasia	Marked
	Forestomach	Ulcer	Marked
Testes	Interstitial Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small	Islets, Pancreatic
Lung	Mammary Gland	Nose	Salivary Glands
Seminal Vesicle	Spleen	Stomach	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Heart	Myocardium	Fibrosis	Moderate
Intestine Large	Colon	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
Lymph Node	Lymphatic, Mandibular	Ectasia	Mild
Pancreas		Atrophy	Mild
Peripheral Nerve		Infiltration Cellular	Mast Cell, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Suppurative, Mild
Prostate		Corpora Amylacea	Moderate
		Inflammation	Suppurative, Mild
Skin		Keratoacanthoma	
Note: TRC LES 1--KERATOACANTHOMA			
Spleen			
Note: POSSIBLY EARLY LEUKEMIA MONUC; NOT CODED			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Lymph Node
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Preputial Gland	Salivary Glands	Skin	Spleen
Stomach	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Moderate
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
		Retinal Detachment	
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Mild
Islets, Pancreatic		Adenoma	
Kidney		Inflammation	Suppurative, Minimal
		Inflammation	Chronic, Marked
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Adenoma	Multiple
		Hyperplasia	Moderate
Note: TRC LES 1 - ADENOMA,MULT.			
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Corpora Amylacea	Moderate
		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 5

SEX: Male

DAY ON TEST: 691

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lung
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Brain		Degeneration	Multiple, Moderate
Heart	Myocardium	Inflammation	Chronic, Minimal
Kidney		Inflammation	Chronic, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Erythrophagocytosis	Marked
	Mediastinal	Hemorrhage	Marked
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Mesothelioma Malignant	
Pancreas		Adenoma	
		Atrophy	Mild
Pharynx	Palate	Ulcer	Moderate
Preputial Gland		Ectasia	Moderate
		Inflammation	Suppurative, Mild
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 646

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Lung
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Spleen	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
	Cortex	Inflammation	Suppurative, Minimal
	Medulla	Pheochromocytoma Benign	
Heart	Myocardium	Fibrosis	Mild
Islets, Pancreatic		Adenoma	
Note: TRC LES 3--ADENOMA			
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Lymphatic, Mandibular	Ectasia	Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: TRC LES 1--FIBROADENOMA			
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Moderate
Pituitary Gland	Pars Intermed	Adenoma	
Preputial Gland		Inflammation	Chronic, Moderate
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 2--FIBROMA			
Stomach	Glandular	Erosion	Mild
	Forestomach	Ulcer	Moderate
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Prostate	Salivary Glands	Spleen	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Chronic, Mild
		Inflammation	Suppurative, Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Lymphatic, Mandibular	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Moderate
Mesentery		Mineralization	Mild
Note: THE MINERALIZATION IS ATTACHED TO URINARY BLADDER			
Pancreas		Adenoma	
		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Adenoma	
		Inflammation	Suppurative, Marked
Note: TRC LES 2 - ADENOMA AND INFLAMMATION			
Skin		Acanthosis	Marked
		Exudate	Marked
		Hyperkeratosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 48	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 1 - HYPERKERATOSIS,ACANTHOSIS, AND EXUDATE

Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Parathyroid Gland	Peripheral Nerve	Preputial Gland
Salivary Glands	Skin	Spleen	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Degeneration	Multiple, Marked
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Chronic, Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
Liver	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Adenoma	Multiple
		Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Prostate		Corpora Amylacea	Mild
Stomach	Forestomach, Mucosa	Dysplasia	Minimal
	Forestomach, Mucosa	Hyperplasia	Mild
	Glandular	Mineralization	Minimal
Testes	Interstitial Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:04
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Prostate	Salivary Glands
Stomach	Testes	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Cyst	
Brain		Compression	Moderate
Eye	Retina	Atrophy	Marked
		Cataract	Mild
Heart	Myocardium	Fibrosis	Moderate
Kidney		Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
Liver	Portal	Fibrosis	Mild
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
Note: TRC LES 1--HEPATOCELLULAR CARC			
Lung		Adenomatosi	Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mammary Gland		Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild
Pancreas		Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Skin		Inflammation	Suppurative, Moderate
Note: LESION (INFLAMMATION) IS ON 1ST NASAL SECTION			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large	Mammary Gland
Nose	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Skin	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Intestine Small	Ileum	Leukemia Mononuclear	
Islets, Pancreatic		Adenoma	
Note: TRC LES 2 - ADENOMA			
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Neoplastic Nodule	
Lung		Adenomatosis	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Lymphatic, Mandibular	Ectasia	Moderate
Pancreas		Atrophy	Moderate
Note: TRC LES 2 - ATROPHY			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Carcinoma	
Note: TRC LES 1 - CARCINOMA			
Spleen		Leukemia Mononuclear	
Stomach	Forestomach, Mucosa	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 49	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Forestomach	Inflammation	Chronic, Mild
Thyroid Gland	Interstit Cell	Adenoma	Multiple
	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 49

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Spleen	Stomach	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Inflammation	Chronic, Mild
Liver	Bile Duct	Nephropathy	Mild
		Angiectasis	Moderate
		Basophilic Focus	
Lung		Hyperplasia	Mild
Pancreas		Inflammation	Chronic, Minimal
Skin	Subcut Tiss	Infiltration Cellular	Histiocyte, Minimal
		Adenoma	
Note: TRC LES 1- FIBROMA		Fibroma	
Testes	Interstit Cell	Adenoma	Multiple
	Seminif Tub	Mineralization	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large	Islets, Pancreatic	Lung	Mammary Gland
Nose	Parathyroid Gland	Peripheral Nerve	Preputial Gland
Salivary Glands	Skin	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
Brain		Degeneration	Multiple, Mild
Heart	Myocardium	Inflammation	Chronic, Minimal
Intestine Small	Jejunum	Inflammation	Chronic, Moderate
Note: TRC LES 2--INFLAMMATION, CHRONIC			
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Necrosis	Moderate
Lymph Node	Lymphatic, Mesenteric	Ectasia	Mild
	Lymphatic, Pancreatic	Ectasia	Moderate
	Mesenteric	Hematopoietic Cell Proliferation	Mild
	Mediastinal	Hemorrhage	Mild
Note: TRC LES 1--ECTASIA AND HEM CELL PROL			
Pancreas		Atrophy	Moderate
		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Prostate	Epithelium	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
		Hematopoietic Cell Proliferation Granulocytic	Moderate
Stomach	Forestomach	Fibrosarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 50	TRT#: 1	SEX: Male	DAY ON TEST: 674
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Stomach	Thymus	Trachea	Urinary Bladder

MISSING

Epididymis	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Eye	Retina	Atrophy	Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Atrophy	Moderate
	Bronchial	Pigmentation	Moderate
	Mediastinal	Pigmentation	Moderate
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIOMA MAL OCCURRED AT MULTIPLE SITES			
Note: MESOTHELIOMA INCLUDED IN VAGINAL TUNIC LESION			
Note: TRC LES 2 AND 3--MESOTHELIOMA MAL			
Pancreas		Adenoma	
		Atrophy	Mild
Note: TRC LES 1--ADENOMA			
Preputial Gland		Inflammation	Chronic, Moderate
Prostate		Corpora Amylacea	Moderate
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Testes	Interstit Cell	Adenoma	Multiple
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 50

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Small	Mammary Gland	Nose
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Ear

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Moderate
	Myocardium	Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Islets, Pancreatic		Adenoma	
Kidney		Inflammation	Chronic, Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver		Angiectasis	Moderate
		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Pancreas		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Intermed	Angiectasis	Mild
Preputial Gland		Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 50	TRT#: 5	SEX: Male	DAY ON TEST: 733
	DOSE: 4.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Corpora Amylacea	Mild
		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Mineralization	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 2

SEX: Female

DAY ON TEST: 711

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Lymph Node	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Skin	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Salivary Glands
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INSUFFICIENT TISSUE

Esophagus

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Brain		Compression	Mild
	Cerebrum	Degeneration	Minimal
Eye		Cataract	Marked
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Mineralization	Moderate
	Fat	Necrosis	Focal, Marked
Note: TRC LES 1--NECROSIS AND MINERALIZATION			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
		Hematopoietic Cell Proliferation Granulocytic	Moderate
Stomach	Forestomach	Edema	Moderate
	Glandular	Edema	Moderate
	Forestomach, Mucosa	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 1	TRT#: 2	SEX: Female	DAY ON TEST: 711
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
	Forestomach	Ulcer	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 4

SEX: Female

DAY ON TEST: 642

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large	Intestine Small	Nose
Ovary	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Harderian Gland		Hemorrhage	Moderate
		Inflammation	Suppurative, Moderate
Islets, Pancreatic		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Capsule	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: TRC LES 2--FIBROUS ADHESION TO DIAPHRAGM			
Note: TRC LES 2--FIBROSIS			
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Adenoma	
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
		Necrosis	Marked
Note: TRC LES 1--NECROSIS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1	TRT#: 4	SEX: Female	DAY ON TEST: 642
	DOSE: 8.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Polyp Stromal
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PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1	TRT#: 6	SEX: Female	DAY ON TEST: 684
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Heart
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Marked
Brain		Degeneration	Multiple, Mild
		Leukemia Mononuclear	
Eye		Angiectasis	Moderate
	Retina	Atrophy	Moderate
		Cataract	Moderate
Kidney	Renal Tubule	Pigmentation	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Lobular, Moderate
		Hyperplasia	Cystic, Mild
Note: TRC LES 1- HYPERPLASIA LOBULAR			
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Erosion	Mild
Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 6

SEX: Female

DAY ON TEST: 684

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 2	SEX: Female	DAY ON TEST: 708
	DOSE: VEHICLE CONTROL	DISP: Accident	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Heart
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thymus	Tooth
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland		Inflammation	Chronic, Mild
	Cortex	Pigmentation	Moderate
Brain		Degeneration	Multiple, Moderate
Esophagus		Ulcer	Marked
Note: PARTS OF THE LESION ARE WITH THE STOMACH SECTION			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
Note: TRC LES 1--POSSIBLY BASOPHILIC FOCUS			
Lung		Foreign Body	Marked
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Suppurative, Marked
Note: FORIEGN BODY IS IN MEDIASTINUM AND AIR PASSAGES			
Note: SUPP. INFLAMMATION INVOLVES PARENCHYMA & MEDIASTINUM			
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mediastinal	Pigmentation	Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2

TRT#: 2

SEX: Female

DAY ON TEST: 708

DOSE: VEHICLE CONTROL

DISP: Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 2	TRT#: 4	SEX: Female	DAY ON TEST: 383
	DOSE: 8.0 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node	Mammary Gland	Pancreas	Peripheral Nerve
Salivary Glands	Skin	Spleen	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Vagina		

MISSING

Clitoral Gland	Nose	Parathyroid Gland
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OBSERVATIONS

Ovary		Cyst
Pharynx		Squamous Cell Carcinoma
Pituitary Gland	Pars Distalis	Cyst

PRIMARY CAUSE OF DEATH

-

Animal Note: NOSE AND CLITORAL GL NOT REQUIRED PRIOR TO 6/1/82

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 6	SEX: Female	DAY ON TEST: 638
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Hemorrhage	Moderate
		Myelofibrosis	Marked
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Developmental Malformation	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Multifocal, Moderate
Note: TRC LES 1--DEVELOP MALFOR			
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Skin		Cyst Epithelial Inclusion	
Note: TRC LES 2--CYST EPITH INC			
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 3	TRT#: 2	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Small	Islets, Pancreatic
Lung	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spleen	Stomach	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart	Myocardium	Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Pelvis	Mineralization	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Kupffer Cell	Pigmentation	Mild
Lymph Node	Pancreatic	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Pigmentation	Moderate
Mesentery	Fat	Necrosis	Focal, Marked
Note: TRC LES 1--NECROSIS			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 4	SEX: Female	DAY ON TEST: 567
	DOSE: 8.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Nose	Ovary
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Myelofibrosis	Mild
Heart	Myocardium	Pigmentation	Minimal
Intest Large			
Note: TRC LES 2--NOT REMARKABLE			
Kidney	Renal Tubule	Pigmentation	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Kupffer Cell	Leukemia Mononuclear	
		Pigmentation	Marked
Note: TRC LES 1--SIMILAR TO REGULAR LIVER SECTION			
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Lobular, Moderate
		Hyperplasia	Cystic, Mild
Pancreas		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 6 DOSE: 4.0 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 565 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Vagina			

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Kidney	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Vein	Thrombosis	
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Necrosis	Focal, Moderate
Note: TRC LES 1--NECROSIS			
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4	TRT#: 2	SEX: Female	DAY ON TEST: 702
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Moderate
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Adenoma	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Mild
		Edema	Diffuse, Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Ulcer	Moderate
Tongue	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 4	TRT#: 4	SEX: Female	DAY ON TEST: 557
	DOSE: 8.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node
Mammary Gland	Nose	Ovary	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spleen
Stomach	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Moderate
	Cortex	Cytoplasmic Alteration	Diffuse, Marked
Brain		Compression	Moderate
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Stomach			
Note: TRC LES 1--NOT REMARKABLE			
Vagina		Abscess	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 4	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 4.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lymph Node
Nose	Ovary	Peripheral Nerve	Salivary Glands
Spleen	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Parathyroid Gland	Skin
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OBSERVATIONS

Adrenal Gland	Extra Adr Tiss	Developmental Malformation	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		Hemorrhage	Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Glandular	Mineralization	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 2	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spleen	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Degeneration	Multiple, Mild
Heart	Myocardium	Fibrosis	Moderate
	Myocardium	Inflammation	Chronic, Moderate
Intest Small			
Note: TRC LES 1--NOT REMARKABLE			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Lymphatic, Mandibular	Ectasia	Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 5	TRT#: 4	SEX: Female	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Mammary Gland	Nose	Ovary
Peripheral Nerve	Salivary Glands	Skin	Spleen
Stomach	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Clitoral Gland		Inflammation	Suppurative, Mild
Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Developmental Malformation	
		Inflammation	Granulomatous, Mild
Note: TRC LES 1 - BASOPH FOCUS AND INFLAMMATION			
Lung		Infiltration Cellular	Histiocyte, Mild
		Mineralization	Minimal
Lymph Node	Mediastinal	Erythrophagocytosis	Mild
	Mediastinal	Pigmentation	Moderate
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 6 DOSE: 4.0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Kidney	Lymph Node	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spleen	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Eye	Retina	Atrophy Cataract	Moderate Moderate
Heart	Myocardium	Fibrosis	Mild
Liver	Bile Duct	Basophilic Focus Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Mild
Note: TRC LES 1- FIBROADENOMA			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: TRC LES 2- NECROSIS			
Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6	TRT#: 2	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Esophagus	Heart
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Spleen
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Reticulum Cell, Mild
Brain		Compression	Mild
Kidney	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Chronic, Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Bronchial	Hemorrhage	Mild
	Mediastinal	Hemorrhage	Mild
	Bronchial	Infiltration Cellular	Mast Cell, Moderate
	Mediastinal	Infiltration Cellular	Mast Cell, Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Cyst	
Pancreas		Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Keratoacanthoma	

Note: TRC LES 1--KERATOACANTHOMA

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 6	TRT#: 4	SEX: Female	DAY ON TEST: 582
	DOSE: 8.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spleen	Stomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
Note: POSSIBLE EARLY LEUKEMIA MONUC; NOT CODED			
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mesenteric	Atrophy	Moderate
Mammary Gland		Fibroadenoma	
Note: TRC LES 1--FIBROADENOMA			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Cyst	
		Inflammation	Suppurative, Mild
		Polyp Stromal	

Note: TRC LES 2--POLYP STROMAL

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6	TRT#: 6 DOSE: 4.0 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 695 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lymph Node
Nose	Ovary	Pancreas	Peripheral Nerve
Salivary Glands	Stomach	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland		Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Hyperplasia	Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Lobular, Moderate
		Hyperplasia	Cystic, Moderate
Note: TRC LES 1- HYPERPLASIA CYSTIC, HYPERPLASIA LOBULAR			
Parathyroid Gland		Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Subcut Tiss	Fibrosarcoma	
Note: THE FIBROSARC IS VERY UNDIFFERENTIATED			
Note: TRC LES 2- FIBROSARCOMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Marked
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:04
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 7	TRT#: 2 DOSE: VEHICLE CONTROL	SEX: Female DISP: Moribund	DAY ON TEST: 714 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lung
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Brain		Degeneration	Multiple, Moderate
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Moderate
Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lymph Node	Mesenteric	Hemorrhage	Moderate
	Mesenteric	Infiltration Cellular	Mast Cell, Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Ovary		Cyst	
Pharynx	Palate	Inflammation	Suppurative, Moderate
	Palate	Necrosis	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Glandular	Erosion	Moderate
	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Ulcer	Moderate
Uterus		Inflammation	Suppurative, Mild
Vagina		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 2

SEX: Female

DAY ON TEST: 714

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7	TRT#: 4	SEX: Female	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Nose	Ovary	Pancreas
Peripheral Nerve	Salivary Glands	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Ectasia	Moderate
		Inflammation	Suppurative, Mild
Heart	Myocardium	Inflammation	Chronic, Minimal
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Inflammation	Granulomatous, Mild
Lung		Leukemia Mononuclear	Histiocyte, Moderate
Mammary Gland		Infiltration Cellular	Cystic, Mild
Parathyroid Gland		Hyperplasia	
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Adenoma	
Note: TRC LES 1 - BASAL CELL CARCINOMA		Basal Cell Carcinoma	
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 6

DOSE: 4.0 MG/KG

SEX: Female

DISP: Moribund

DAY ON TEST: 709

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Thymus	Trachea	Urinary Bladder	Uterus
Vagina			

OBSERVATIONS

Adrenal Gland		Inflammation	Chronic, Mild
	Cortex	Vacuolization Cytoplasmic	Moderate
Eye		Angiectasis	Mild
	Retina	Atrophy	Moderate
		Cataract	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Note: THE MAMMARY GLAND SECTION IS WITH CLITORAL GLAND			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
Skin		Exudate	Minimal
	Subcut Tiss	Fibrosarcoma	
Note: TRC LES 1- FIBROSARCOMA			
Note: THE FIBROSARC IS VERY WELL DIFFERENTIATED			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
	Glandular	Mineralization	Minimal
	Forestomach	Ulcer	Moderate
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Spleen	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Degeneration	Multiple, Mild
Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Note: TRC LES 1--CONSISTENT W/ DIAGPHRAG. HERNIA; NOT CODED			
Lung		Adenomatosis	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Inflammation	Suppurative, Marked
Note: INFLAMMATORY LESION IS WITH 1ST NASAL SECTION			
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 8	TRT#: 4	SEX: Female	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Kidney	Mammary Gland	Nose
Ovary	Pancreas	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Heart	Myocardium	Inflammation	Chronic, Minimal
Liver		Basophilic Focus	
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
Mesentery	Fat	Necrosis	Focal, Moderate
Note: TRC LES 1 - NECROSIS			
Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 4.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Blood	Bone	Brain
Esophagus	Heart	Intestine Small	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Reticulum Cell, Marked
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Intestine Large	Colon	Mineralization	Moderate
Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Multifocal, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Moderate
Stomach	Glandular	Mineralization	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 9	TRT#: 2	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mesenteric	Infiltration Cellular	Mast Cell, Moderate
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 9	TRT#: 4	SEX: Female	DAY ON TEST: 729
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Small	Islets, Pancreatic
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spleen	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney	Pelvis	Mineralization	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Chronic, Minimal
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9	TRT#: 6 DOSE: 4.0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Nose	Ovary
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Bone Marrow		Hyperplasia	Reticulum Cell, Moderate
Clitoral Gland		Inflammation	Suppurative, Mild
Heart	Myocardium	Inflammation	Chronic, Minimal
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Lobular, Moderate
		Hyperplasia	Cystic, Moderate

Note: TRC LES 1- FIBROADENOMA

Note: TRC LES 2- HYPERPLASIA CYSTIC AND HYPERPLASIA LOBULAR

Pancreas		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Carcinoma	
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
		Leukemia Mononuclear	
Stomach	Glandular	Mineralization	Mild

Note: MALIGNANCY OF TUMOR WAS BASED UPON BRAIN INVASION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 4.0 MG/KG	DISP: Terminal Sacrifice	HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 10	TRT#: 2	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Kidney	Lymph Node	Nose
Ovary	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland

OBSERVATIONS

Liver		Basophilic Focus	
	Portal	Fibrosis	Minimal
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Brain	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Clitoral Gland		Carcinoma	
Note: TRC LES 1 - CARCINOMA			
Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 2 - FIBROADENOMA			
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
		Hematopoietic Cell Proliferation Granulocytic	Mild
		Leukemia Mononuclear	
Tongue		Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lymph Node
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spleen	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Ectasia	Moderate
		Inflammation	Chronic, Mild
		Inflammation	Suppurative, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
	Cornea	Inflammation	Chronic, Minimal
	Cornea	Mineralization	Minimal
Heart	Myocardium	Inflammation	Chronic, Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Note: TRC LES 4 AND 5- CHANGES SUGGEST DIAPH. HERNIA;NOT CODED			
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
Note: TRC LES 1 AND 2- FIBROADENOMA			
Mesentery		Inflammation	Suppurative, Mild
		Inflammation	Granulomatous, Moderate
	Fat	Necrosis	Focal, Mild
Note: TRC LES 3- NECROSIS, INFLAMM GRAN, INFLAMM SUPP			
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 11

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland		Inflammation	Chronic, Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney	Pelvis	Mineralization	Minimal
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Infiltration Cellular	Histiocyte, Mild
		Pigmentation	Mild
		Adenoma	Multiple
		Hyperplasia	Mild
		Inflammation	Suppurative, Mild
		Polyp Stromal	

Note: TRC LES 3--CONSISTENT W/ DIAPHRAG HERNIA; NOT CODED

Note: TRC LES 1 AND 2--POLYP, STROMAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 4

DOSE: 8.0 MG/KG

SEX: Female

DISP: Moribund

DAY ON TEST: 727

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone Marrow	Esophagus	Heart
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone		Hyperostosis	Moderate
Brain		Compression	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: TRC LES 1 - FIBROADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
		Necrosis	Marked

Note: TRC LES 2 - HEMORRHAGE AND NECROSIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 11

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 11

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Nose	Ovary
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spleen	Stomach	Trachea	Urinary Bladder
Vagina			

MISSING

Thymus

OBSERVATIONS

Heart	Myocardium	Fibrosis	Moderate
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
		Inflammation	Chronic, Mild
Lung		Infiltration Cellular	Histiocyte, Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1- FIBROADENOMA AND HYPERPLASIA CYSTIC			
Pancreas		Adenoma	
		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue	Epithelium	Hyperplasia	Moderate
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 2

SEX: Female

DAY ON TEST: 692

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Esophagus
Intestine Large	Intestine Small	Lung	Lymph Node
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spleen
Stomach	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Hydrocephalus	Mild
Clitoral Gland		Inflammation	Suppurative, Mild
Heart	Myocardium	Fibrosis	Mild
Islets, Pancreatic		Adenoma	
Kidney		Inflammation	Chronic, Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Mammary Gland		Carcinoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1--CARCINOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

Note: TRC LES 2--POLYP,STROMAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland

OBSERVATIONS

Kidney	Pelvis	Mineralization	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Hepatocyte	Necrosis	Multifocal, Minimal
Mammary Gland		Infiltration Cellular	Histiocyte, Mild
		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1 - FIBROADENOMA			
Mesentery	Fat	Fibrosis	Moderate
	Fat	Mineralization	Moderate
	Fat	Necrosis	Focal, Marked
Note: TRC LES 3 - NECROSIS, MINERALIZATION, AND FIBROSIS			
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Acanthosis	Moderate
		Inflammation	Chronic, Mild
Note: TRC LES 2 - ACANTHOSIS AND INFLAMMATION			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 12

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Portal	Basophilic Focus	
	Bile Duct	Fibrosis	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Moderate
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
Note: TRC LES 1 AND 2- FIBROADENOMA			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: TRC LES 3 AND 4- NECROSIS			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:04
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 13

TRT#: 2

SEX: Female

DAY ON TEST: 651

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Nose	Parathyroid Gland
Peripheral Nerve	Skin	Thyroid Gland	Trachea
Vagina			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland		Infiltration Cellular	Eosinophil, Mild
Bone Marrow		Hyperplasia	Mild
Brain		Leukemia Mononuclear	
Heart	Myocardium	Fibrosis	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Pigmentation	Moderate
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
		Leukemia Mononuclear	
	Kupffer Cell	Pigmentation	Marked
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Focal, Mild
Note: TRC LES 1--NECROSIS			
Ovary		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Note: TRC LES 2--LEUKEMIA,MONUC			
Pituitary Gland		Leukemia Mononuclear	
Salivary Glands		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 13	TRT#: 2	SEX: Female	DAY ON TEST: 651
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
	Forestomach	Inflammation	Chronic Active, Moderate
Urinary Bladder	Mucosa	Hyperplasia	Mild
		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Ovary	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland		Infiltration Cellular	Mononuclear CI, Moderate
	Cortex	Vacuolization Cytoplasmic	Moderate
Note: CHANGE SUGG. OF LEUKEMIA MONUC; NOT OBSERVED ELSEWHERE			
Bone Marrow		Hyperplasia	Reticulum Cell, Marked
Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Neoplastic Nodule	
Note: TRC LES 2- CONSISTENT WITH DIAPHRAGMATIC HERNIA;NOT CODED			
Lung		Adenomatosis	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Hemorrhage	Marked
Mammary Gland		Hyperplasia	Cystic, Mild
		Hyperplasia	Lobular, Moderate
Note: TRC LES 1 - HYPERPLASIA CYSTIC, HYPERPLASIA LOBULAR			
Pancreas		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Stomach	Glandular	Mineralization	Mild
Uterus		Abscess	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 6

DOSE: 4.0 MG/KG

SEX: Female

DISP: Moribund

DAY ON TEST: 698

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thymus	Thyroid Gland
Trachea	Vagina		

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Vacuolization Cytoplasmic	Moderate
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
		Hemorrhage	Marked
Intest Small			
Note: TRC LES 5- NOT REMARKABLE			
Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Note: TRC LES 3- HYPERPLASIA NODULAR			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 13	TRT#: 6	SEX: Female	DAY ON TEST: 698
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Fat	Hemorrhage	Moderate
	Fat	Leukemia Mononuclear Necrosis	Focal, Moderate
Note: TRC LES 4- LEUKEMIA MONUC AND HEMORRHAGE Note: TRC LES 2- LEUKEMIA MONUC AND HEMORRHAGE Note: TRC LES 1- NECROSIS AND LEUKEMIA MONUC			
Pancreas			
Note: MASS AT NECROPSY PROB. PANCREATIC LYMPH NODE			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA CONTAINS AREA OF NECROSIS, FIBROSIS & HEMORRHAGE			
Spleen		Developmental Malformation Leukemia Mononuclear	
Note: DEVELOP MALFOR IS AN ACCESSORY SPLEEN			
Stomach	Glandular	Erosion	Minimal
Urinary Bladder	Mucosa	Hyperplasia	Minimal
Uterus		Adenoma Cyst Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 14

TRT#: 2

SEX: Female

DAY ON TEST: 695

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Skin	Thyroid Gland
Trachea	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Adenoma	
	Renal Tubule	Necrosis	Marked
Liver	Portal	Fibrosis	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Moderate
Ovary		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Salivary Glands		Leukemia Mononuclear	
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Stomach		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 2

SEX: Female

DAY ON TEST: 695

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Stomach	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Brain		Compression	Moderate
Clitoral Gland		Hyperplasia	Marked
		Inflammation	Suppurative, Marked
Note: TRC LES 1 - INFLAMMATION AND HYPERPLASIA			
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Moderate
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 2 - FIBROADENOMA			
Note: 81			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spleen
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Clitoral Gland		Ectasia	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Submucosa	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Stomach	Glandular	Mineralization	Minimal
Thyroid Gland	C Cell	Carcinoma	
Uterus		Cyst	

PRIMARY CAUSE OF DEATH

-

Animal Note: TRC LES 1--NOT REMARKABLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Small	Islets, Pancreatic
Ovary	Pancreas	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Inflammation	Chronic, Mild
		Mineralization	Mild
		Nephropathy	Mild
Liver	Portal Bile Duct	Basophilic Focus	
		Fibrosis	Mild
		Hyperplasia	Mild
		Inflammation	Chronic, Mild
Lung	Mediastinal	Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Parathyroid Gland		Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

Note: THE POLYP IS LARGELY NECROTIC

Note: TRC LES 1--POLYP STROMAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 4

SEX: Female

DAY ON TEST: 486

DOSE: 8.0 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Lung	Lymph Node
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Mammary Gland		Hyperplasia	Cystic, Marked
Note: TRC LES 1--HYPERPLASIA			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Marked
Stomach	Glandular	Erosion	Moderate
	Forestomach, Mucosa	Hyperplasia	Mild
Note: TRC LES 2--EROSION AND HYPERPLASIA			
Note: TRC LES 2--INCLUDES SLIDE 2A AND 2B			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spleen
Stomach	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Extra Adr Tiss	Developmental Malformation	
Bone Marrow		Hyperplasia	Reticulum Cell, Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
		Inflammation	Chronic Active, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Cyst	

Note: CYST IS NEAR CERVIX AND EXTENDS TO SEROSA

Note: CYST CONTAINS KERATIN AND CELLULAR DEBRIS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 2

SEX: Female

DAY ON TEST: 602

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver	Hepatocyte	Cytoplasmic Alteration	Moderate
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Multifocal, Moderate
	Kupffer Cell	Pigmentation	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Congestion	Marked
Stomach	Glandular	Erosion	Mild
Uterus		Polyp Stromal	

Note: TRC LES 1--POLYP STROMAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 16	TRT#: 4	SEX: Female	DAY ON TEST: 672
	DOSE: 8.0 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Kidney	Lymph Node	Mammary Gland
Nose	Ovary	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Brain	Cerebrum	Degeneration	Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Pancreas		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Marked
Spleen		Leukemia Mononuclear	
Uterus		Abscess	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 16

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Small	Islets, Pancreatic
Lymph Node	Ovary	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Inflammation	Chronic, Mild
Pancreas		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Intermed	Infiltration Cellular	Moderate
	Pars Nervosa	Infiltration Cellular	Moderate
Note: CELLULAR STRUCTURES COULD BE EARLY CRANIOPHRNGOMA			
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Mineralization	Mild
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 17	TRT#: 2	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Liver	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spleen	Stomach
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
		Inflammation	Suppurative, Moderate

Note: TRC LES 2--FIBROADENOMA

Note: TRC LES 1 AND 3--HYPERPLASIA, CYSTIC

Pituitary Gland	Pars Distalis	Adenoma
Thyroid Gland	C Cell	Adenoma
Uterus		Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 17

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Small	Islets, Pancreatic	Nose
Ovary	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Stomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Bone Marrow		Hyperplasia	Reticulum Cell, Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mesenteric	Atrophy	Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Pancreas		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Mild
Uterus		Hydrometra	Mild
Vagina		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Stomach	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Mild
Intestine Small	Duodenum	Ectopic Tissue	
Note: ECTOPIC TISSUE IS PANCREAS			
Note: TRC LES 3- ECTOPIC TISSUE			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
Note: TRC LES 2- CHANGES SIMILAR TO REGULAR LIVER SECTION			
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1- FIBROADENOMA			
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:04
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 18

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spleen
Stomach	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland		Ectasia	Moderate
		Inflammation	Suppurative, Mild
Heart	Myocardium	Fibrosis	Mild
Kidney		Inflammation	Suppurative, Mild
	Pelvis	Inflammation	Chronic, Mild
		Mineralization	Mild
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Erythrophagocytosis	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Esophagus	Intestine Small
Islets, Pancreatic	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Stomach	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Peripheral Nerve		
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
	Medulla	Pheochromocytoma Benign	Multiple
Brain		Degeneration	Multiple, Moderate
Heart	Myocardium	Fibrosis	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Suppurative, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mandibular	Hyperplasia	Histiocytic, Moderate
	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate

Note: TRC LES 3 - FIBROADENOMA AND HYPERPLASIA CYSTIC

Note: TRC LES 2 - HYPERPLASIA CYSTIC

Note: TRC LES 4 - FIBROADENOMA

Nose	Lumen	Foreign Body	Moderate
	Lumen	Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 1 - PAPILLOMA SQUA

Spleen

Thyroid Gland

Uterus

Follicular Cel

Pigmentation

Adenoma

Hemosiderin, Moderate

Note: NO MASS FOUND MICROSCOPICALLY

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:04

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Brain	Clitoral Gland
Esophagus	Intestine Small	Islets, Pancreatic	Nose
Ovary	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Thyroid Gland	Trachea	Uterus

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart		Leukemia Mononuclear	
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Portal	Fibrosis	Moderate
	Hepatocyte	Hyperplasia	Nodular, Moderate
	Hepatocyte	Leukemia Mononuclear	
	Hepatocyte	Necrosis	Multifocal, Moderate
Note: TRC LES 3- HYPERPLASIA NODULAR			
Note: TRC LES 3-CHANGES CONSISTENT WITH DIAPH HERNIA;NOT CODED			
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: TRC LES 1- FIBROADENOMA			
Mesentery	Fat	Mineralization	Moderate
	Fat	Necrosis	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 18	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 4.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 2- NECROSIS AND MINERALIZATION

Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Moderate
Stomach		Leukemia Mononuclear	
	Forestomach	Squamous Cell Papilloma	
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 19

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Small	Islets, Pancreatic
Lymph Node	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Stomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Clitoral Gland		Hyperplasia Inflammation	Marked Suppurative, Mild
Note: TRC LES 1--HYPERPLASIA			
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Mineralization Nephropathy	Minimal Minimal
Liver		Basophilic Focus Clear Cell Focus	
	Bile Duct	Hyperplasia Leukemia Mononuclear	Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
Uterus		Abscess	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 19	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spleen
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Clitoral Gland

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Endometrium	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 19

TRT#: 6

SEX: Female

DAY ON TEST: 656

DOSE: 4.0 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Heart
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Ovary	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain	Cerebrum	Degeneration	Minimal
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Kidney		Leukemia Mononuclear	
	Pelvis	Mineralization	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: TRC LES 1--SIMILAR TO REGULAR LIVER SECTION			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Moderate
Pancreas		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
Uterus		Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Small	Islets, Pancreatic	Nose	Ovary
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spleen	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
Bone Marrow		Hyperplasia	Reticulum Cell, Moderate
Heart	Myocardium	Fibrosis	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Lung		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Glandular	Mineralization	Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large	Islets, Pancreatic	Nose	Ovary
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Stomach	Thymus	Trachea
Urinary Bladder			

MISSING

Vagina

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Clitoral Gland		Ectasia	Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Marked
		Retinal Detachment	Moderate
Heart	Myocardium	Fibrosis	Moderate
Intestine Small	Jejunum	Hyperplasia	Reticulum Cell, Moderate
Note: TRC LES 8 - HYPERPLASIA RE CELL			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mandibular	Infiltration Cellular	Mast Cell, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
Note: TRC LES 1 - FIBROADENOMA			
Note: TRC LES 2 - FIBROADENOMA			
Note: TRC LES 5 - FIBROADENOMA			
Note: TRC LES 4 - FIBROADENOMA			
Note: TRC LES 3 - FIBROADENOMA			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 20	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Fat	Mineralization	Moderate
	Fat	Necrosis	Focal, Moderate
Note: TRC LES 7 - NECROSIS AND MINERALIZATION			
Pancreas		Adenoma	
Note: TRC LES 6 - ADENOMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Abscess	Marked
Note: PORTION OF ABSCESS WITH URINARY BLADDER			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 20 TRT#: 6 SEX: Female DAY ON TEST: 733
DOSE: 4.0 MG/KG DISP: Terminal Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Lymph Node	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Spleen	Stomach	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Eye	Retina	Atrophy Cataract	Moderate Moderate
Kidney	Renal Tubule	Mineralization Nephropathy	Minimal Minimal
Liver		Basophilic Focus Inflammation	Granulomatous, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Mild
Note: TRC LES 1- FIBROADENOMA			
Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Mild
Skin		Inflammation	Chronic, Moderate
Note: INFLAMMATION LESION IS ON FIRST NASAL SECTION			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Dichlorvos
 CAS Number: 62-73-7

Date Report Requested: 10/23/2014
 Time Report Requested: 09:41:05
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 21	TRT#: 2 DOSE: VEHICLE CONTROL	SEX: Female DISP: Moribund	DAY ON TEST: 582 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Peripheral Nerve	Salivary Glands
Skin	Thymus	Thyroid Gland	Trachea

MISSING

Eye	Parathyroid Gland		
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OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Intest Large			
Note: TRC LES 2 AND 3--NO LESION			
Kidney		Leukemia Mononuclear	
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1--FIBROADENOMA			
Ovary		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Stomach		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	
		Polyp Stromal	

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 4

SEX: Female

DAY ON TEST: 587

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Liver	Lymph Node	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Eye	Vagina
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OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Marked
Stomach	Glandular	Erosion	Marked
	Forestomach	Inflammation	Suppurative, Mild
Uterus		Sarcoma Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 6

DOSE: 4.0 MG/KG

SEX: Female

DISP: Moribund

DAY ON TEST: 728

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Heart
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Brain		Degeneration	Multiple, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Kidney		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
Lung		Leukemia Mononuclear	
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Foreign Body	Moderate
	Forestomach	Granuloma	Marked
	Glandular	Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FOREIGN BODY IN GRANULOMA CONSIST OF HAIR SHAFTS

Thymus

Leukemia Mononuclear

Uterus

Abscess

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Lymph Node	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Hyperplasia	Moderate
Clitoral Gland		Ectasia	Marked
		Hyperplasia	Marked
		Inflammation	Suppurative, Moderate

Note: TRC LES 2--HYPERPLASIA, INFLAMMATION AND ECTASIA

Heart	Myocardium	Fibrosis	Moderate
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Hematopoietic Cell Proliferation	Mild
		Inflammation	Chronic, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked

Note: TRC LES 1--FIBROADENOMA AND HYPERPLASIA

Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
		Hematopoietic Cell Proliferation Granulocytic	Moderate
Stomach	Glandular	Mineralization	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Heart	Intestine Large
Islets, Pancreatic	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Skin	Stomach	Trachea
Urinary Bladder	Uterus		

MISSING

Salivary Glands	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla Cortex	Pheochromocytoma Benign Vacuolization Cytoplasmic	Moderate
Bone Marrow		Hyperplasia	Mild
Brain	Cerebrum	Degeneration	Minimal
Clitoral Gland		Hyperplasia Inflammation	Moderate Suppurative, Moderate
Intestine Small	Jejunum	Developmental Malformation	
Note: THE DEVELOP MALFOR IS AN INTUSSUSCEPTION			
Note: TRC LES 1 - DEVELOP MALFOR			
Kidney		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Bile Duct	Basophilic Focus Hyperplasia Leukemia Mononuclear	Moderate
Note: TRC LES 2- CHANGE COMPATIBLE WITH DIAPHR HERNIA;NOT CODED			
Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Mild
Lymph Node	Lymphatic, Mesenteric Mandibular Mesenteric Pancreatic	Ectasia Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	Moderate
Mammary Gland		Adenoma	
Note: ADENOMA IS ON SLIDE WITH THE CLITORAL GLAND			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 22	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary		Cyst	
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 6

DOSE: 4.0 MG/KG

SEX: Female

DISP: Moribund

DAY ON TEST: 706

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Degeneration	Multiple, Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Kidney	Pelvis	Mineralization	Mild
Liver		Basophilic Focus	
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: TRC LES 4,5-CHANGES CONSIST. WITH DIAPH HERNIA;NOT CODED			
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Atrophy	Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: TRC LES 2- HYPERPLASIA CYSTIC			
Note: TRC LES 1- FIBROADENOMA			
Mesentery	Fat	Necrosis	Focal, Mild
Note: TRC LES 3- NECROSIS			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach	Edema	Moderate
	Forestomach, Mucosa	Hyperplasia	Mild
	Forestomach	Ulcer	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 6

SEX: Female

DAY ON TEST: 706

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 23	TRT#: 2	SEX: Female	DAY ON TEST: 547
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Kidney	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Liver		Angiectasis	Moderate
	Bile Duct	Hyperplasia	Mild
Note: TRC LES 3--NOT AVAILABLE FOR EXAMINATION			
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
Mammary Gland		Fibroadenoma	
Note: TRC LES 1--FIBROADENOMA			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: TRC LES 2--NECROSIS			
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Glandular	Ulcer	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 4

DOSE: 8.0 MG/KG

SEX: Female

DISP: Moribund

DAY ON TEST: 677

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spleen	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Bone		Hyperostosis	Moderate
Brain		Degeneration	Multiple, Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney	Pelvis	Mineralization	Minimal
Liver		Basophilic Focus	
		Developmental Malformation	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
Note: TRC LES 2 - SIMILAR TO REGULAR LIVER SECTION			
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Atrophy	Moderate
	Lymphatic, Mandibular	Ectasia	Moderate
	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
Note: TRC LES 1 - FIBROADENOMA			
Nose	Lumen	Foreign Body	Mild
	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Cyst	
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
	Forestomach	Ulcer	Moderate
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 6

SEX: Female

DAY ON TEST: 446

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Kidney	Lymph Node	Ovary
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Vagina			

MISSING

Clitoral Gland

OBSERVATIONS

Liver	Hepatocyte	Cytoplasmic Alteration	Mild
Note: TRC LES 1--CTYOPLAS ALTER			
Lung		Infiltration Cellular	Histiocyte, Moderate
		Squamous Cell Carcinoma	
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Pancreas		Atrophy	Mild
Skeletal Muscle		Squamous Cell Carcinoma	Metastatic (Lung)
Note: TRC LES 2--SQUAM CEL CARC, METASTATIC			

PRIMARY CAUSE OF DEATH

-

Animal Note: NOSE AND CLITORAL GL NOT REQUIRED PRIOR TO 6/1/82

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 24

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Kidney	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lung		Fibrosis	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Erythrophagocytosis	Moderate
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Mineralization	Moderate
	Fat	Necrosis	Focal, Marked
Note: TRC LES 2--NECROSIS AND MINERALIZATION			
Note: TRC LES 1--NECROSIS			
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 24	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Clitoral Gland		Adenoma	
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
Lung		Infiltration Cellular	Histiocyte, Moderate
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Intestine Small	Islets, Pancreatic	Ovary	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Pancreas	Thymus
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OBSERVATIONS

Adrenal Gland		Hematopoietic Cell Proliferation	Mild
Bone Marrow		Hyperplasia	Reticulum Cell, Marked
Clitoral Gland		Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Mild
		Basophilic Focus	
	Hepatocyte	Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: TRC LES 3- HYPERPLASIA NODULAR			
Lung		Adenomatosis	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	Multiple
Note: TRC LES 1 AND 2- FIBROADENOMA			
Nose	Submucosa	Inflammation	Chronic, Mild
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 6

DOSE: 4.0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular

Mineralization

Mild

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Intestine Small	Islets, Pancreatic	Lymph Node
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Stomach
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Inflammation	Suppurative, Mild
Heart	Myocardium	Fibrosis	Moderate
Intestine Large	Cecum	Parasite Metazoan	Mild
	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lung		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Marked
		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Minimal
Note: LESION IS WITH THE CLITORAL GLAND			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 4

SEX: Female

DAY ON TEST: 721

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Nose	Ovary	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Stomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus	Vagina
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OBSERVATIONS

Bone Marrow		Leukemia Mononuclear Myelofibrosis	Moderate
Heart		Leukemia Mononuclear	
Kidney	Renal Tubule	Pigmentation	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Lung	Kupffer Cell	Pigmentation	Moderate
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mesentery	Fat	Mineralization	Moderate
	Fat	Necrosis	Focal, Marked
Note: TRC LES 2 - NECROSIS AND MINERALIZATION			
Pancreas		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 4

SEX: Female

DAY ON TEST: 721

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 1 - POLYP STROMAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spleen	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow		Hyperplasia	Reticulum Cell, Mild
Clitoral Gland		Adenoma	
		Inflammation	Suppurative, Mild
Note: TISSUE IS ON SLIDE WITH TRC LES 2			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney		Infarct	Moderate
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
Note: TRC LES 1- FIBROADENOMA			
Note: TRC LES 2- FIBROADENOMA AND CARCINOMA			
Nose	Lumen	Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 25

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 2

SEX: Female

DAY ON TEST: 532

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland
Esophagus
Nose
Skin
Urinary Bladder

Bone
Heart
Parathyroid Gland
Stomach

Brain
Intestine Large
Peripheral Nerve
Thyroid Gland

Clitoral Gland
Islets, Pancreatic
Salivary Glands
Trachea

MISSING

Thymus

OBSERVATIONS

Bone Marrow
Intestine Small
Kidney
Liver

Ileum

Bile Duct

Hepatocyte

Lung
Lymph Node

Mandibular
Mediastinal
Mesenteric
Pancreatic

Mammary Gland
Ovary
Pancreas
Pituitary Gland

Pars Distalis
Pars Intermed

Skeletal Muscle

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Hyperplasia
Leukemia Mononuclear
Vacuolization Cytoplasmic
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Hyperplasia
Leukemia Mononuclear
Leukemia Mononuclear
Cyst
Cyst
Hemorrhage
Leukemia Mononuclear

Mild

Marked

Cystic, Mild

Moderate

Note: TRC LES 1--HEMORRHAGE AND LEUKEMIA MONUC

Spleen
Uterus

Leukemia Mononuclear
Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 2

SEX: Female

DAY ON TEST: 532

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 26

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Heart	Intestine Small
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Hyperplasia	Reticulum Cell, Moderate
		Leukemia Mononuclear	
Brain		Compression	Marked
Clitoral Gland		Adenoma	
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Liver		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
Note: TRC LES 1 - FIBROADENOMA AND HYPERPLASIA CYSTIC			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Stomach	Forestomach, Mucosa	Dysplasia	Moderate
	Forestomach, Mucosa	Hyperplasia	Moderate
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Lymph Node	Nose
Ovary	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Minimal
Brain	Cerebrum	Degeneration	Minimal
Clitoral Gland		Ectasia	Moderate
		Hyperplasia	Mild
		Inflammation	Suppurative, Marked
Heart	Myocardium	Fibrosis	Moderate
	Myocardium	Hemorrhage	Minimal
	Myocardium	Inflammation	Chronic, Mild
	Myocardium	Pigmentation	Moderate
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Portal	Fibrosis	Minimal
		Inflammation	Chronic, Minimal
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Abscess	Marked
		Hyperplasia	Cystic, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 2

SEX: Female

DAY ON TEST: 646

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lung	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Clitoral Gland		Adenoma	
		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Mild
Note: TRC LES 2--ADENOMA,METAPLASIA AND INFLAMMATION			
Kidney	Pelvis	Mineralization	Mild
Liver		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Leukemia Mononuclear	
Note: TRC LES 4--SIMILAR TO REGULAR LIVER SECTION		Necrosis	Multifocal, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: TRC LES 1--FIBROADENOMA			
Ovary		Granulosa Cell Tumor	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
Uterus		Polyp Stromal	
Note: TRC LES 3--POLYP STROMAL			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large
Intestine Small	Ovary	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spleen	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Nose

OBSERVATIONS

Islets, Pancreatic		Adenoma	
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1 - FIBROADENOMA			
Pancreas		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Cyst	
Stomach	Glandular	Mineralization	Mild
Uterus		Leiomyosarcoma	

Note: TRC LES 2 - LEIOMYOSARCOMA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large
Intestine Small	Lymph Node	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Islets, Pancreatic		Adenoma	
		Hyperplasia	Mild
Kidney		Inflammation	Chronic, Minimal
		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Mild
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1 AND 2- FIBROADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 28	TRT#: 2	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Kidney	Lung	Lymph Node	Ovary
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spleen	Stomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Clitoral Gland		Ectasia	Moderate
Heart	Myocardium	Fibrosis	Moderate
Liver		Inflammation	Granulomatous, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Moderate
Pancreas		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Cyst	
Uterus		Polyp Stromal	

Note: TRC LES 1--POLYP STROMAL

Note: POLYP CONTAINS EXTENSIVE HEMORRHAGE AND NECROSIS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 4

SEX: Female

DAY ON TEST: 421

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland
Eye
Islets, Pancreatic
Ovary
Pituitary Gland
Thyroid Gland

Bone Marrow
Heart
Liver
Pancreas
Salivary Glands
Trachea

Brain
Intestine Large
Lung
Parathyroid Gland
Stomach
Urinary Bladder

Esophagus
Intestine Small
Lymph Node
Peripheral Nerve
Thymus

MISSING

Clitoral Gland

Mammary Gland

Nose

Skin

INSUFFICIENT TISSUE

Bone

OBSERVATIONS

Kidney
Spleen
Uterus

Pelvis

Mineralization
Hematopoietic Cell Proliferation Erythrocytic
Hyperplasia
Inflammation
Prolapse

Minimal
Mild
Cystic, Mild
Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: NOSE AND CLITORAL GL NOT REQUIRED PRIOR TO 6/1/82

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 28

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Stomach	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Focal, Marked
Note: TRC LES 1- NECROSIS			
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Fibrosis	Moderate
Note: TRC LES 2--FIBROSIS			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Abscess	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 2

SEX: Female

DAY ON TEST: 404

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spleen	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Marked
	Cortex	Hyperplasia	Marked
	Cortex	Vacuolization Cytoplasmic	Marked
Note: TRC LES 4--CONGESTION AND HYPERPLASIA			
Kidney		Nephropathy	Moderate
Liver		Inflammation	Chronic Active, Minimal
Lung		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
Mammary Gland		Hyperplasia	Cystic, Marked
Note: TRC LES 1,2 AND 3--HYPERPLASIA			
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Moderate
	Mucosa	Metaplasia	Squamous
Pituitary Gland	Pars Intermed	Carcinoma	
Stomach	Glandular	Erosion	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CLITORAL GLAND NOT REQUIRED PRIOR TO 6/1/82

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Stomach	Thymus	Trachea

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver	Hepatocyte	Basophilic Focus	
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Ectopic Tissue	
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 1- FIBROMA			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild
Urinary Bladder		Papilloma	
Uterus		Abscess	Marked
		Polyp Stromal	

Note: TRC LES 2- POLYP STROMAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 6

DOSE: 4.0 MG/KG

SEX: Female

DISP: Moribund

DAY ON TEST: 708

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thyroid Gland	Trachea
Urinary Bladder	Vagina		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow		Leukemia Mononuclear	
Intestine Small	Jejunum	Leiomyoma	
Note: TRC LES 3- LEIOMYOMA			
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: TRC LES 2- PANCREATIC LYMPH NODE LEUKEMIA MONUC			
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1- FIBROADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 6

DOSE: 4.0 MG/KG

SEX: Female

DISP: Moribund

DAY ON TEST: 708

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Stomach	Glandular	Dysplasia	Minimal
	Glandular	Erosion	Mild
Uterus		Hyperplasia	Cystic, Mild
		Leiomyoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 30	TRT#: 2	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Skin	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Moderate
Salivary Glands		Ectopic Tissue	Mild
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Mineralization	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 30

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
	Medulla	Hyperplasia	Focal, Mild
Brain		Degeneration	Multiple, Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Lung		Adenomatosis	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Cyst	
Pancreas		Adenoma	
Pharynx	Palate	Inflammation	Suppurative, Marked
	Palate	Necrosis	Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 30	TRT#: 6	SEX: Female	DAY ON TEST: 355
	DOSE: 4.0 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Brain	Esophagus
Heart	Kidney	Liver	Lung
Lymph Node	Mammary Gland	Ovary	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Spleen	Uterus

MISSING

Clitoral Gland	Nose	Pituitary Gland	Thymus
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AUTO PRECLUDES DIAG.

Bone Marrow	Intestine Large	Intestine Small	Islets, Pancreatic
Pancreas	Stomach	Thyroid Gland	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Skin

PRIMARY CAUSE OF DEATH

-

Animal Note: NOSE AND CLITORAL GL NOT REQUIRED PRIOR TO 6/1/82

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 31

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Ovary	Parathyroid Gland	Peripheral Nerve
Skin	Spleen	Thymus	Tooth
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Degeneration	Multiple, Moderate
Heart	Myocardium	Fibrosis	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Note: TRC LES 2--CONSISTENT WITH DIAPHR. HERNIA;NOT CODED			
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: TRC LES 1--FIBROADENOMA			
Pancreas		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Ectopic Tissue	Mild
Stomach	Glandular	Mineralization	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Intestine Small	Islets, Pancreatic	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
Note: TRC LES 1- HYPERPLASIA AND INFLAMMATION			
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Lymphatic, Mandibular	Ectasia	Mild
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spleen	Stomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney	Pelvis	Mineralization	Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mesenteric	Hemorrhage	Marked
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Marked
		Hyperkeratosis	Marked
		Inflammation	Chronic, Moderate
Note: TRC LES 1--HYPERKERATOSIS,ACANTHOSIS,INFLAMMATION			
Spleen		Leukemia Mononuclear	
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 4

SEX: Female

DAY ON TEST: 546

DOSE: 8.0 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Small
Islets, Pancreatic	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Ulcer	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 32 TRT#: 6 SEX: Female DAY ON TEST: 556
DOSE: 4.0 MG/KG DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Kidney	Lung	Mammary Gland
Nose	Ovary	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone		Hemorrhage	Marked
		Hyperplasia	Marked
		Necrosis	Moderate
Note: TRC LES 2--HEMORRHAGE, NECROSIS, AND HYPERPLASIA			
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Atrophy	Moderate
	Mediastinal	Hemorrhage	Moderate
Mesentery	Fat	Necrosis	Focal, Marked
Note: TRC LES 1--NECROSIS			
Pancreas		Atrophy	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 33	TRT#: 2	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Esophagus	Heart
Intestine Large	Intestine Small	Islets, Pancreatic	Kidney
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow		Hyperplasia	Reticulum Cell, Moderate
Brain		Degeneration	Multiple, Moderate
Clitoral Gland		Inflammation	Suppurative, Mild
Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Moderate
Mammary Gland		Fibroadenoma	
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 33	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spleen	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart	Myocardium	Fibrosis	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
Lung		Infiltration Cellular	Histiocyte, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
Stomach	Forestomach, Mucosa	Dysplasia	Minimal
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large	Islets, Pancreatic	Liver
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Spleen	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Degeneration	Multiple, Moderate
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Mild
Intestine Small	Duodenum	Ulcer	Moderate
Kidney	Pelvis	Mineralization	Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Moderate
Mesentery	Fat	Necrosis	Focal, Marked
Note: TRC LES 1- NECROSIS			
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Fibrosarcoma	Metastatic (Skin)
Skin	Subcut Tiss	Fibrosarcoma	
Note: TRC LES 2- FIBROSARCOMA			
Stomach	Forestomach	Edema	Moderate
	Glandular	Erosion	Minimal
	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Ulcer	Marked
Uterus		Abscess	Marked
Note: ABSCESS IS NEAR CERVIX JUST BENEATH SEROSA			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 2

SEX: Female

DAY ON TEST: 677

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland

OBSERVATIONS

Heart	Myocardium	Mineralization	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Portal	Fibrosis	Minimal
	Kupffer Cell	Hyperplasia	Mild
		Mixed Cell Focus	
Note: TRC LES 4--SIMILIAR TO REGULAR LIVER SECTION			
Lung		Adenomatosis	Minimal
		Carcinoma	Metastatic (Mammary Gland)
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mesenteric	Atrophy	Marked
	Mediastinal	Erythrophagocytosis	Moderate
	Mesenteric	Erythrophagocytosis	Marked
	Mediastinal	Hemorrhage	Moderate
Mammary Gland		Carcinoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1--CARCINOMA			
Mesentery	Fat	Mineralization	Moderate
	Fat	Necrosis	Focal, Moderate
Note: TRC LES 3--NECROSIS,MINERALIZATION			
Pituitary Gland	Pars Distalis	Angiectasis	Minimal
Skin		Acanthosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 34	TRT#: 2	SEX: Female	DAY ON TEST: 677
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TRC LES 2--ACANTHOSIS

Spleen		Erythrophagocytosis	Moderate
Stomach	Glandular	Mineralization	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 34	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Small
Islets, Pancreatic	Lymph Node	Nose	Ovary
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Spleen
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
Note: TRC LES 1- FIBROADENOMA			
Note: TRC LES 2- FIBROADENOMA			
Pancreas		Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Subcut Tiss	Fibroma	
Note: TRC LES 3- FIBROMA			
Uterus		Abscess	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 34	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 4.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Minimal
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Hyperplasia	Cystic, Mild
		Adenoma	
	Pars Distalis	Hydrometra	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Lymph Node	Nose
Ovary	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Minimal
Bone Marrow		Hyperplasia	Reticulum Cell, Moderate
Brain	Cerebrum	Degeneration	Minimal
Clitoral Gland		Adenoma	
		Ectasia	Marked
		Inflammation	Suppurative, Moderate
Note: TRC LES 2--ECTASIA,ADENOMA,INFLAMMATION			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Hyperplasia	Lobular, Mild
Pancreas		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Squamous Cell Papilloma	
Note: TRC LES 1--PAPILLOMA SQUA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Note: POSSIBLY EARLY LEUKEMIA MONUC; NOT CODED			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 4

SEX: Female

DAY ON TEST: 630

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Esophagus	Heart
Islets, Pancreatic	Liver	Lymph Node	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hematocyst	
	Cortex	Vacuolization Cytoplasmic	Mild
Brain	Cerebrum	Degeneration	Mild
	Thalamus	Degeneration	Mild
Intestine Large	Colon, Serosa	Cyst	
Note: TRC LES 1--CYST			
Intestine Small	Jejunum	Hemorrhage	Mild
Note: TRC LES 2--HEMORRHAGE			
Note: TRC LES 3--NOT REMARKABLE			
Kidney	Renal Tubule	Pigmentation	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Intermed	Adenoma	
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
	Forestomach	Ulcer	Marked
Uterus		Polyp Stromal	
Note: MASS NOT EVIDENT MICROSCOPICALLY			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 35 TRT#: 6 SEX: Female DAY ON TEST: 618
DOSE: 4.0 MG/KG DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Kidney	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Eye

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Bile Duct	Hyperplasia	Moderate
	Kupffer Cell	Leukemia Mononuclear	
Lung		Pigmentation	Moderate
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Nervosa	Hemorrhage	Mild
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 36

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Nose	Ovary	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spleen
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Heart	Myocardium	Inflammation	Chronic, Minimal
Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: TRC LES 1--FIBROADENOMA			
Pancreas		Adenoma	
Note: ADENOMA IS WITH THE MESENTERIC LYMPH NODE SECTION			
Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 36	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lymph Node
Nose	Ovary	Pancreas	Peripheral Nerve
Salivary Glands	Skin	Spleen	Stomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Clitoral Gland		Hyperplasia	Mild
Heart	Myocardium	Inflammation	Chronic, Minimal
Kidney	Renal Tubule	Mineralization	Mild
Liver		Basophilic Focus	
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
		Hyperplasia	Lobular, Moderate
Note: TRC LES 1- HYPERPLASIA LOBULAR			
Pituitary Gland	Pars Distalis	Cyst	
Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 36

TRT#: 6

SEX: Female

DAY ON TEST: 545

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lung	Lymph Node	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Skin	Spleen	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Compression	Moderate
Kidney		Nephropathy	Mild
Liver		Developmental Malformation	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
Note: TRC LES 2--DEVELOP MALFOR			
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1--FIBROADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands	Parotid GI	Hyperplasia	Focal, Mild
	Parotid GI	Vacuolization Cytoplasmic	Moderate
Stomach	Forestomach	Ulcer	Moderate
	Glandular	Ulcer	Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 37

TRT#: 2

SEX: Female

DAY ON TEST: 691

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Small
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Clitoral Gland		Hyperplasia	Mild
Heart	Myocardium	Fibrosis	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Note: CYTOLYTIC CHANGES ATTRIBUTED TO AUTOLYSIS			
Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mesenteric	Hyperplasia	Histiocytic, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Necrosis	Focal, Marked
Note: TRC LES 2--NECROSIS			
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Sebaceous GI	Carcinoma	
Note: TRC LES 1--CARCINOMA			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
Uterus		Polyp Stromal	
Note: POLYP CONTAINS NUMEROUS GLANDULAR STRUCTURES			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 4

DOSE: 8.0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Intestine Small	Islets, Pancreatic	Mammary Gland	Nose
Ovary	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Stomach	Thymus	Trachea
Urinary Bladder			

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Extra Adr Tiss	Developmental Malformation	
Bone Marrow		Hyperplasia	Reticulum Cell, Marked
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Mild
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Pancreatic	Hemorrhage	Mild
Pancreas		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Moderate

Note: MASS DESCRIBED AT NECROPSY WAS HYPERPLASIA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Liver	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Minimal
Brain		Degeneration	Multiple, Moderate
Note: THE DEGEN CONSISTS OF STATUS SPONGIOSIS			
Clitoral Gland		Ectasia	Mild
Heart	Myocardium	Fibrosis	Moderate
	Myocardium	Inflammation	Chronic, Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Atrophy	Moderate
	Mesenteric	Hemorrhage	Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach	Edema	Marked
	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Ulcer	Marked
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 38	TRT#: 2	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Vagina			

OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Adenomatosis	Moderate
		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Diverticulum	
Uterus		Hydrometra	Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 4

SEX: Female

DAY ON TEST: 611

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Kidney	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Spleen	Stomach	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Intest Large			
Note: TRC LES 3--NOT REMARKABLE			
Liver	Hepatocyte	Atrophy	Multifocal, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Atrophy	Moderate
	Mesenteric	Infiltration Cellular	Mast Cell, Mild
Mammary Gland		Fibroadenoma	
		Fibrosis	Mild
		Hyperplasia	Cystic, Mild
Note: TRC LES 1--FIBROADENOMA			
Mesentery	Fat	Necrosis	Focal, Marked
Note: TRC LES 2--NECROSIS			
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Cyst	
Skin		Acanthosis	Mild
		Ulcer	Mild
Note: LESIONS WERE WITH THE CLITORAL GLAND SECTION			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 6

DOSE: 4.0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lymph Node
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Peripheral Nerve

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Clitoral Gland		Ectasia	Moderate
Note: TRC LES 2- ECTASIA			
Heart	Myocardium	Fibrosis	Mild
Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: TRC LES 3-CHANGES CONSISTENT WITH DIAPHR HERNIA;NOT CODED			
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Fibroadenoma	
Note: TRC LES 1- FIBROADENOMA			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Skin		Acanthosis	Moderate
		Hyperkeratosis	Mild
Note: ACANTHOSIS AND HYPERKERATOSIS FROM HIND FOOT			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Stomach	Glandular	Mineralization	Moderate
Uterus		Carcinoma	
		Cyst	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 2

SEX: Female

DAY ON TEST: 596

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Small	Islets, Pancreatic	Kidney
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Brain		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Intestine Large	Colon	Parasite Metazoan	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Stomach		Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 4

SEX: Female

DAY ON TEST: 652

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Liver	Nose	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Vagina

OBSERVATIONS

Brain	Cerebrum	Degeneration	Mild
	Thalamus	Degeneration	Mild
Clitoral Gland		Dysplasia	Moderate
		Hyperplasia	Marked
		Inflammation	Suppurative, Marked
Note: TRC LES 1--INFLAMMATION, HYPERPLASIA, AND DYSPLASIA			
Kidney	Pelvis	Mineralization	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Lymphatic, Mesenteric	Ectasia	Marked
Note: TRC LES 2 AND 3--ECTASIA			
Mammary Gland		Hyperplasia	Cystic, Moderate
Ovary		Cyst	
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Carcinoma	
Spleen		Hematopoietic Cell Proliferation Granulocytic	Moderate
Uterus		Polyp Stromal	
		Sarcoma Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 6

DOSE: 4.0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Bone		Hyperostosis	Moderate
Note: HYPEROSTOSIS INVOLVED CALVARIA AND FEMUR			
Note: TRC LES 5- HYPEROSTOSIS, CALVARIA			
Brain		Degeneration	Multiple, Minimal
Clitoral Gland		Hyperplasia	Marked
		Inflammation	Chronic, Marked
		Inflammation	Suppurative, Marked
Note: TRC LES 4- HYPERPLASIA, INFLAMM SUPP, INFLAMM CHRONIC			
Heart	Myocardium	Fibrosis	Minimal
Kidney	Pelvis	Mineralization	Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Lobular, Moderate
		Hyperplasia	Cystic, Mild
Note: TRC LES 2- FIBROADENOMA, HYPER CYSTIC, HYPER LOBULAR			
Note: TRC LES 1- FIBROADENOMA			
Note: TRC LES 3- FIBROADENOMA			
Pituitary Gland	Pars Distalis	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 39

TRT#: 6
DOSE: 4.0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen	Hematopoietic Cell Proliferation Erythrocytic	Moderate
Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Intestine Small
Islets, Pancreatic	Kidney	Lymph Node	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spleen	Stomach
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Hyperplasia	Reticulum Cell, Moderate
Brain		Oligodendroglioma Malignant	
Note: HOWEVER, NEOPLASM CONSIDERED POTENTIALLY MALIGNANT			
Note: NEOPLASM SMALL IN SIZE			
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Lung		Inflammation	Chronic, Moderate
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1--FIBROADENOMA			
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild
		Ultimobranchial Cyst	
Uterus		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
Eye			
Note: NOT REMARKABLE			
Heart		Leukemia Mononuclear	
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Stomach		Leukemia Mononuclear	

Note: BASOPHILIC MATERIAL WITHIN MUSCULARIS;POSSIBLY ARTIFACT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 40	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 8.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Moderate
Uterus		Leukemia Mononuclear	
		Polyp Stromal	

Note: TRC LES 1- POLYP STROMAL

Note: THE POLYP IS HEAVILY INFILTRATED WITH LEUKEMIA CELLS

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 40

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Stomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Heart	Myocardium	Fibrosis	Mild
Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver	Portal	Fibrosis	Minimal
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
Note: TRC LES 1 AND 2- FIBROADENOMA			
Nose	Lumen	Foreign Body	Mild
	Lumen	Inflammation	Suppurative, Mild
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Moderate
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Lung	Lymph Node	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thyroid Gland
Trachea			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Heart	Myocardium	Inflammation	Chronic, Mild
Kidney		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Mild
		Inflammation	Granulomatous, Marked
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Urinary Bladder		Papilloma	
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Lymph Node	Nose	Ovary	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Skin

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
Bone Marrow		Hyperplasia	Reticulum Cell, Mild
Clitoral GI			
Note: NO MASS OBSERVED MICROSCOPICALLY			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 41

TRT#: 6

SEX: Female

DAY ON TEST: 701

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Small	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach	Trachea	Urinary Bladder	Uterus
Vagina			

MISSING

Peripheral Nerve	Thymus
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OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Heart		Thrombosis	
Note: MASS AT NECROPSY IS THROMBUS			
Intestine Large	Rectum	Parasite Metazoan	Mild
Islets, Pancreatic		Adenoma	
Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Inflammation	Granulomatous, Moderate
	Fat	Necrosis	Focal, Marked
Note: TRC LES 1- NECROSIS AND INFLAMMATION			
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 41

TRT#: 6

SEX: Female

DAY ON TEST: 701

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 42	TRT#: 2	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Minimal
Liver		Angiectasis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Bronchial	Hemorrhage	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue	Epithelium	Hyperplasia	Mild
Uterus		Abscess	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 42	TRT#: 4	SEX: Female	DAY ON TEST: 721
	DOSE: 8.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Stomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Hepatocyte	Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Atrophy	Moderate
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Carcinoma	
Spleen		Leukemia Mononuclear	
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 42	TRT#: 6	SEX: Female	DAY ON TEST: 98
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Kidney	Lung	Lymph Node
Mammary Gland	Ovary	Pancreas	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spleen
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
Mesentery	Fat	Necrosis	Focal, Moderate
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Mucosa	Metaplasia	Squamous, Moderate
Stomach	Forestomach	Edema	Mild
	Forestomach	Inflammation	Suppurative, Mild
Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: NOSE AND CLITORAL GL NOT REQUIRED PRIOR TO 6/1/82

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lung
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla Cortex	Hyperplasia Vacuolization Cytoplasmic	Focal, Mild Mild
Bone Marrow		Hyperplasia	Reticulum Cell, Mild
Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Minimal
Liver	Hepatocyte	Basophilic Focus Hyperplasia Leukemia Mononuclear	Nodular, Moderate
Note: TRC LES 4--CHANGES CONSISTENT W/ DIAPHRAG HERNIA; NOT CODED			
Note: TRC LES 5--HYPERPLASIA,NODULAR			
Lymph Node	Axillary, Lymphatic Axillary Axillary Mesenteric	Ectasia Hyperplasia Inflammation Leukemia Mononuclear	Marked Lymphoid, Moderate Suppurative, Moderate
Note: TRC LES 3--HYPERPLASIA, ECTASIA AND INFLAMMATION			
Mammary Gland		Hyperplasia	Cystic, Marked
Note: TRC LES 2--HYPERPLASIA, CYSTIC			
Pituitary Gland	Pars Distalis	Cyst	
Skin	Sebaceous Gl	Carcinoma	
Note: TRC LES 1--CARCINOMA, SEBACEOUS GL			
Spleen		Hematopoietic Cell Proliferation Erythrocytic Hematopoietic Cell Proliferation Granulocytic Leukemia Mononuclear	Moderate Moderate
Tongue		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 4

DOSE: 8.0 MG/KG

SEX: Female

DISP: Moribund

DAY ON TEST: 677

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thymus	Trachea
Urinary Bladder	Vagina		

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow		Leukemia Mononuclear	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1- FIBROADENOMA AND HYPERPLASIA CYSTIC			
Nose	Nasopharyn Dct	Inflammation	Suppurative, Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Spleen		Leukemia Mononuclear	
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	
Uterus	Mucosa	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 43	TRT#: 6	SEX: Female	DAY ON TEST: 596
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spleen	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Brain		Compression	Moderate
Kidney		Nephropathy	Mild
Liver		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Atrophy	Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Forestomach, Mucosa	Hyperplasia	Minimal
	Glandular	Ulcer	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 44	TRT#: 2	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 44

TRT#: 4

SEX: Female

DAY ON TEST: 631

DOSE: 8.0 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Ovary	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Stomach	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
Bone Marrow		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Myelofibrosis	Mild
Liver	Bile Duct	Leukemia Mononuclear	
		Nephropathy	Minimal
Lung		Hyperplasia	Mild
		Leukemia Mononuclear	
		Adenomatosis	Moderate
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Bronchial	Hemorrhage	Mild
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: TRC LES 2--LEUKEMIA MONUC (PANCREATIC)			
Mammary Gland		Hyperplasia	Cystic, Minimal
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 4

SEX: Female

DAY ON TEST: 631

DOSE: 8.0 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Polyp Stromal

Note: TRC LES 1--POLYP STROMAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lymph Node
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spleen
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland

OBSERVATIONS

Brain		Compression	Moderate
		Hydrocephalus	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Minimal
Kidney	Pelvis	Mineralization	Moderate
		Nephropathy	Mild
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
		Inflammation	Granulomatous, Mild
		Inflammation	Chronic, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1- FIBROADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Glandular	Mineralization	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spleen
Stomach	Thyroid Gland	Trachea	Uterus

MISSING

Thymus

OBSERVATIONS

Eye	Retina	Atrophy Cataract	Moderate Moderate
Heart	Myocardium	Fibrosis	Moderate
Kidney		Nephropathy	Mild
Liver	Hepatocyte	Angiectasis Atrophy Basophilic Focus	Mild Multifocal, Mild
Lung	Bile Duct	Hyperplasia Infiltration Cellular	Mild Histiocyte, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Necrosis	Focal, Marked
Note: TRC LES 1--NECROSIS			
Ovary		Cyst Granulosa Cell Tumor	
Note: CELLS OF GRANULOSA TUMOR ARE HEAVILY LUTEINIZED			
Pituitary Gland	Pars Distalis	Adenoma	
Urinary Bladder		Edema Inflammation	Mild Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 8.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Small
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Stomach	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney	Pelvis	Mineralization	Mild
Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mesenteric	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1- FIBROADENOMA			
Pituitary Gland	Pars Distalis	Cyst	
Skin			
Note: THE TISSUE IS ON SLIDE I			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 6

SEX: Female

DAY ON TEST: 656

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large	Intestine Small	Kidney
Nose	Ovary	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Stomach
Trachea	Urinary Bladder	Uterus	

MISSING

Islets, Pancreatic	Pancreas	Thymus	
--------------------	----------	--------	--

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Lobular, Moderate
		Hyperplasia	Cystic, Mild
Note: TRC LES 1--HYPERPLASIA, LOBULAR			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Mammary Gland
Ovary	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Stomach	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland		Angiectasis	Moderate
Bone Marrow		Hyperplasia	Reticulum Cell, Marked
Heart	Myocardium	Inflammation	Chronic, Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Lymphoid, Moderate
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mesenteric	Atrophy	Moderate
	Mesenteric	Pigmentation	Moderate
Nose	Lumen	Inflammation	Suppurative, Minimal
	Submucosa	Inflammation	Chronic, Mild
	Mucosa	Metaplasia	Squamous, Mild
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 4

DOSE: 8.0 MG/KG

SEX: Female

DISP: Moribund

DAY ON TEST: 631

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Ovary	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Degeneration	Multiple, Moderate
Kidney	Pelvis	Mineralization	Minimal
Liver	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
Lung		Necrosis	Multifocal, Moderate
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
Note: MASS AT NECROPSY WAS INFILTRAT CELL HISTIOCYTIC			
Lymph Node	Mediastinal	Pigmentation	Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 1--FIBROADENOMA			
Pancreas		Adenoma	
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
Uterus		Hyperplasia	Glandular, Mild
		Polyp Stromal	

Note: TRC LES 2--POLYP STROMAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Lung
Nose	Pancreas	Peripheral Nerve	Salivary Glands
Skin	Spleen	Stomach	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Brain		Compression	Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
Lymph Node	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Moderate
Ovary		Leiomyosarcoma	
Note: TRC LES 1,2,3,4,5- LEIOMYOSARCOMA			
Pituitary Gland	Pars Intermed	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Atrophy	Moderate
		Polyp Stromal	

Note: TRC LES 6- ATROPHY AND POLYP STROMAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large	Intestine Small	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spleen
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Note: TRC LES 1--CHANGES CONSISTENT W/ DIAPHRAG HERNIA; NOT CODED			
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 47

TRT#: 4
DOSE: 8.0 MG/KG

SEX: Female
DISP: Moribund

DAY ON TEST: 609
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Eye	Intestine Large	Intestine Small	Peripheral Nerve
Skin	Trachea		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Islets, Pancreatic		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Hepatocyte	Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: TRC LES 3--LEUKEMIA MONUC (ILIAC)			
Mammary Gland		Hyperplasia	Cystic, Mild
Nose		Leukemia Mononuclear	
Ovary		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Parathyroid Gland		Leukemia Mononuclear	
Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 47	TRT#: 4	SEX: Female	DAY ON TEST: 609
	DOSE: 8.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Salivary Glands	Leukemia Mononuclear
Spleen	Leukemia Mononuclear
Stomach	Leukemia Mononuclear
Thyroid Gland	Leukemia Mononuclear
Urinary Bladder	Leukemia Mononuclear
Uterus	Leukemia Mononuclear

Note: TRC LES 1 AND 2--LEUKEMIA MONUC

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 47

TRT#: 6

SEX: Female

DAY ON TEST: 721

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Intestine Small
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow		Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Heart		Leukemia Mononuclear	
Intest Small			
Note: TRC LES 1- NOT REMARKABLE			
Intestine Large	Cecum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 47	TRT#: 6	SEX: Female	DAY ON TEST: 721
	DOSE: 4.0 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach		Leukemia Mononuclear	
	Glandular	Mineralization	Mild
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	
Uterus	Mucosa	Hyperplasia	Moderate
		Hyperplasia	Cystic, Mild
		Leukemia Mononuclear	
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 2

SEX: Female

DAY ON TEST: 709

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Small	Islets, Pancreatic
Lung	Nose	Ovary	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spleen
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Intestine Large	Rectum	Leiomyosarcoma	
Note: TRC LES 2 AND 3--LEIOMYOSARCOMA			
Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Multifocal, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: TRC LES 4--CHANGE CONSIST. W/ DIAPHRAG HERNIA; NOT CODED			
Lymph Node	Mesenteric	Atrophy	Moderate
	Mesenteric	Hemorrhage	Mild
Mammary Gland		Hyperplasia	Lobular, Moderate
		Hyperplasia	Cystic, Moderate
Note: TRC LES 1--HYPERPLASIA, LOBULAR			
Pancreas		Cytoplasmic Alteration	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Forestomach, Mucosa	Dysplasia	Moderate
	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Ulcer	Moderate
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 4

DOSE: 8.0 MG/KG

SEX: Female

DISP: Moribund

DAY ON TEST: 721

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Intestine Large	Intestine Small	Islets, Pancreatic	Ovary
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Stomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Vagina	

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
Clitoral Gland		Adenoma	
		Inflammation	Suppurative, Marked
Note: TRC LES 1- ADENOMA AND INFLAMMATION			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver	Hepatocyte	Atrophy	Multifocal, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Inguinal	Hyperplasia	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Inflammation	Chronic, Moderate
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 4

SEX: Female

DAY ON TEST: 721

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Note: NO "SPOT" FOUND MICROSCOPICALLY

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 6

SEX: Female

DAY ON TEST: 519

DOSE: 4.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large	Intestine Small	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Thyroid Gland	Trachea

MISSING

Eye

OBSERVATIONS

Adrenal Gland		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Minimal
Liver	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Stomach		Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 49	TRT#: 2	SEX: Female	DAY ON TEST: 622
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Kidney	Lung
Nose	Ovary	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Stomach	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Eye

OBSERVATIONS

Blood		Leukemia Mononuclear	
Liver	Portal	Fibrosis	Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 49

TRT#: 4

SEX: Female

DAY ON TEST: 678

DOSE: 8.0 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large	Intestine Small
Islets, Pancreatic	Lymph Node	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
Kidney		Nephropathy	Minimal
Liver		Inflammation	Granulomatous, Minimal
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Necrosis	Focal, Moderate
Note: TRC LES 1- NECROSIS			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
	Glandular	Mineralization	Minimal
Uterus		Abscess	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 4.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Lung	Lymph Node
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Spleen	Stomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
	Cortex	Vacuolization Cytoplasmic	Mild
Bone		Developmental Malformation	
Note: THE DEVELOP MALFOR IS AN EXOSTOSIS ON THE CALVARIA			
Note: TRC LES 5--DEVELOP MALFOR			
Brain		Compression	Moderate
Heart	Myocardium	Fibrosis	Mild
	Myocardium	Inflammation	Chronic, Minimal
Kidney	Pelvis	Mineralization	Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Minimal
Liver		Basophilic Focus	
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: TRC LES 3,4-CHANGES CONSISTENT WITH DIAPH HERNIA;NOT CODED			
Mammary Gland		Carcinoma	
		Hyperplasia	Cystic, Mild
Note: TRC LES 2- CARCINOMA			
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Squamous Cell Papilloma	
Note: TRC LES 1--PAPILLOMA SQUAMOUS			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 2

SEX: Female

DAY ON TEST: 711

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Heart	Intestine Large
Intestine Small	Islets, Pancreatic	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Focal, Minimal
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Brain		Degeneration	Multiple, Moderate
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Hyperplasia	Plasma Cell, Moderate
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Mineralization	Marked
	Fat	Necrosis	Focal, Marked
Note: TRC LES 1--NECROSIS AND MINERALIZATION			
Pituitary Gland	Pars Distalis	Carcinoma	
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Dysplasia	Mild
	Forestomach	Ulcer	Marked
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 2

SEX: Female

DAY ON TEST: 711

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 10/23/2014
Time Report Requested: 09:41:05
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 50 TRT#: 4 SEX: Female DAY ON TEST: 730
DOSE: 8.0 MG/KG DISP: Terminal Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Lymph Node	Nose
Ovary	Peripheral Nerve	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Brain		Degeneration	Multiple, Moderate
Clitoral Gland		Ectasia	Mild
		Inflammation	Chronic, Moderate
Heart	Myocardium	Fibrosis	Mild
Kidney		Cyst	
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Carcinoma	
Salivary Glands		Ectopic Tissue	
Note: ECTOPIC TISSUE IS LACRIMAL GLAND			
Skin	Subcut Tiss	Fibrosarcoma	
Note: TRC LES 1- FIBROSARCOMA			
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05049-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 10/23/2014

Time Report Requested: 09:41:05

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 4.0 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Heart	Intestine Large	Intestine Small	Islets, Pancreatic
Lung	Lymph Node	Nose	Ovary
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Minimal
Brain		Degeneration	Multiple, Mild
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
Liver	Portal	Fibrosis	Minimal
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
Note: TRC LES 1- HEPATPCLR CARC			
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Ulcer	Marked
	Glandular	Ulcer	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

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** END OF REPORT **

* PROTOCOL REQUIRED TISSUE