

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

<b>C Number:</b>	C60048B
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	07/09/1991

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5570

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 UL/RAT UM

DISP: Scheduled Sacrifice

HISTO: 853004

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Pituitary Gland  
Seminal Vesicle  
Testes

Bone  
Esophagus  
Intestine Large - Rectum  
Lung  
Nose  
Preputial Gland  
Skin - Site of Application-No Mass  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Prostate  
Stomach - Forestomach  
Trachea

**OBSERVATIONS**

Kidney  
Liver  
  
Skin  
Spleen  
Thyroid Gland

Bile Duct  
  
Control  
C Cell

Nephropathy  
Hyperplasia  
Inflammation  
Acanthosis  
Pigmentation  
Adenoma

Moderate  
Mild  
Granulomatous, Focal, Mild  
Minimal  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5571

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 UL/RAT UM

DISP: Scheduled Sacrifice

HISTO: 853005

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5572

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 UL/RAT UM

DISP: Scheduled Sacrifice

HISTO: 853006

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Lung  
Pancreas  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin - Control  
Testes  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Prostate  
Skin - Site of Application-No Mass  
Thymus

**OBSERVATIONS**

Heart  
Kidney  
Liver  
Nose  
Pituitary Gland  
Preputial Gland  
Spleen

Bile Duct  
Nasolacrim Dct  
Pars Distalis  
Duct

Cardiomyopathy  
Nephropathy  
Hyperplasia  
Inflammation  
Adenoma  
Inflammation  
Pigmentation

Moderate  
Moderate  
Mild  
Suppurative, Moderate  
Suppurative, Marked  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5573

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 UL/RAT UM

DISP: Scheduled Sacrifice

HISTO: 853007

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Liver		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Granulomatous, Focal, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5574

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 UL/RAT UM

DISP: Scheduled Sacrifice

HISTO: 853008

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Nose		Fungus	Marked
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5575

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 UL/RAT UM

DISP: Scheduled Sacrifice

HISTO: 853009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Preputial Gland  
Skin - Control  
Testes  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Prostate  
Skin - Site of Application-No Mass  
Thymus

OBSERVATIONS

Heart  
Kidney  
Liver  
Lung  
Pancreas  
Pituitary Gland  
Spleen

Bile Duct  
  
Acinus  
Pars Distalis

Cardiomyopathy  
Nephropathy  
Hyperplasia  
Congestion  
Atrophy  
Cyst  
Pigmentation

Mild  
Moderate  
Moderate  
Mild  
Minimal  
  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5576

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 UL/RAT UM

DISP: Scheduled Sacrifice

HISTO: 853010

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Mammary Gland	Duct	Pigmentation	Mild
Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Focal, Minimal
Pituitary Gland		Pigmentation	Hemosiderin, Marked
Prostate		Hyperplasia	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5577

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 UL/RAT UM

DISP: Scheduled Sacrifice

HISTO: 853011

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Eye	Retina	Atrophy	Moderate
	Antr Chamber	Hemorrhage	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Inflammation	Granulomatous, Focal, Mild
Nose		Infiltration Cellular	Lymphocyte, Diffuse, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5578

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 UL/RAT UM

DISP: Scheduled Sacrifice

HISTO: 853012

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Degeneration	Fatty, Focal, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5579

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 UL/RAT UM

DISP: Scheduled Sacrifice

HISTO: 853013

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
		Inflammation	Granulomatous, Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5580

TRT#: 1

SEX: Male

DAY ON TEST: 528

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland	Preputial Gland	Thyroid Gland
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OBSERVATIONS

Bone Marrow		Hypoplasia	Mild
Brain		Compression	
Note: COMPRESSION	TGLs = 4-1		
Epididymis		Degeneration	Focal, Moderate
		Mesothelioma Benign	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 3-20		
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-1		
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 1-11		
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5580

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 528

**DOSE:** 0 UL/RAT UM

**DISP:** Moribund Sacrifice

**HISTO:** 853014

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Forestomach

Edema

Moderate

Glandular

Foreign Body

Minimal

Forestomach

Hyperkeratosis

Marked

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Testes

Seminif Tub

Atrophy

Marked

Note: ATROPHY      TGLs = 2-9

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PRIMARY CAUSE OF DEATH

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Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5581

TRT#: 1

SEX: Male

DAY ON TEST: 578

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Epididymis	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Preputial Gland
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AUTO PRECLUDES DIAG.

Bone Marrow	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Eye	Retina	Atrophy Cataract	Moderate Mild
Note: [ CATARACT ] TGLs = 5-20			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 3-4			
Liver	Peripheral	Degeneration	Fatty, Mild
Lung		Congestion Inflammation	Moderate Chronic, Moderate
Note: CONGESTION TGLs = 4-2			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 1-14			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-1			
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Depletion Cellular	Moderate
Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5581

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 578

**DOSE:** 0 UL/RAT UM

**DISP:** Natural Death

**HISTO:** 853015

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ATROPHY      TGLs = 2-9

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5582

TRT#: 1

SEX: Male

DAY ON TEST: 619

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Salivary Glands	Seminal Vesicle
Skin - Control	Skin - Site of Application-No Mass	Spleen	Testes
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood Vessel		Degeneration	Moderate
Note: DEGEN TGLs = 7-21			
Epididymis		Degeneration	Focal, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 2-20			
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum, Serosa	Necrosis	Focal, Moderate
	Colon, Serosa	Necrosis	Focal, Moderate
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 4-4,5-4			
Liver	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Chronic, Moderate
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY TGLs = 6-13			
Penis		Thrombosis	
Note: THROMBUS TGLs = 1-22			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 8-1			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5582

**TRT#:** 1  
**DOSE:** 0 UL/RAT UM

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 619  
**HISTO:** 853016

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Preputial Gland		Abscess	Marked
		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Moderate
Stomach	Glandular, Mucosa	Erosion	Focal, Mild
	Forestomach, Serosa	Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 10-7		
Thyroid Gland	C Cell	Adenoma	

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5583

TRT#: 1

SEX: Male

DAY ON TEST: 644

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Salivary Glands	Skin - Control	Stomach - Glandular	Trachea

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Degeneration Hyperplasia	Fatty, Focal, Mild Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Degeneration Fibrosis	Focal, Marked Mild
Eye		Cataract	Moderate
Note: CATARACT TGLs = 11-20			
Kidney	Epithelium, Pelvis	Hyperplasia Nephropathy	Mild Marked
Note: NEPHROPATHY TGLs = 9-4			
Liver	Bile Duct	Degeneration Hyperplasia Inflammation	Fatty, Mild Mild Chronic, Focal, Mild
Note: DEGEN TGLs = 8-5			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 3-14			
Pancreas	Acinus	Atrophy	Mild
Parathyroid Gland		Hypertrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 10-1			
Prostate		Inflammation	Suppurative, Marked
Seminal Vesicle		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5583

TRT#: 1

SEX: Male

DAY ON TEST: 644

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853017

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY	TGLs = 5-11			
Skin		Prepuce	Hyperkeratosis	Mild
		Prepuce	Inflammation	Mild
		SOA-No Mass	Proliferation Connective Tissue	Mild
Note: HYPERKERATOSIS	TGLs = 2-22			
Spleen			Pigmentation	Hemosiderin, Mild
Stomach		Forestomach	Acanthosis	Moderate
		Forestomach	Hyperkeratosis	Moderate
		Forestomach	Ulcer	Marked
Note: ACANTHOSIS	TGLs = 6-7			
Note: [ HYPERKERATOSIS ]	TGLs = 7-7			
Testes		Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 4-9			
Thymus			Depletion Lymphoid	Moderate
Thyroid Gland		C Cell	Hyperplasia	Mild
Urinary Bladder		Mucosa	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5584

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Epididymis		Degeneration	Focal, Mild
Eye		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Congestion	Moderate
		Inflammation	Chronic, Mild
Note: CONGESTION	TGLs = 2-2		
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Skin	SOA-No Mass	Cyst Epithelial Inclusion	
Spleen		Leukemia Mononuclear	
Testes	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5584

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 673

**DOSE:** 0 UL/RAT UM

**DISP:** Natural Death

**HISTO:** 853018

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5585

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Pancreas	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Moderate
	Medulla	Hyperplasia	Focal, Mild
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Marked
		Fibrosis	Marked
Note: FIBROSIS TGLs = 4-9			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
		Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 18-20			
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Edema	Moderate
	Colon	Parasite Metazoan	
Note: EDEMA TGLs = 21-8			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Islets, Pancreatic		Adenoma	
Note: [ ADENOMA ] TGLs = 19-6			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 7-4,8-4			
Liver	Midzonal	Degeneration	Fatty, Moderate
		Degeneration	Cystic, Focal, Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5585

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853019

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Eosinophilic Focus Hyperplasia	Moderate
Note: DEGEN	TGLs = 9-5,10-5		
Note: HYPERPLASIA	TGLs = 11-5		
Lung		Hemorrhage Inflammation	Moderate Chronic, Moderate
Note: HEMORRHAGE	TGLs = 14-2		
Note: INFLAMMATION	TGLs = 13-2		
Lymph Node	Mediastinal Mesenteric	Hemorrhage Hemorrhage Hemorrhage	Moderate Moderate Minimal
Note: [ HEMORRHAGE ]	TGLs = 17-8		
Note: [ HEMORRHAGE ]	TGLs = 16-21		
Mammary Gland		Lactation	
Nose		Inflammation	Suppurative, Minimal
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 12-13		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 15-1		
Preputial Gland		Fibrosis	Moderate
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 2-11		
Spleen		Congestion Fibrosis	Mild Moderate
Note: CONGESTION	TGLs = 6-6		
Note: FIBROSIS	TGLs = 5-6		
Stomach	Forestomach Glandular, Mucosa	Acanthosis Degeneration	Minimal Mild
Testes	Forestomach Seminif Tub	Hyperkeratosis Atrophy	Mild Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5585

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 709

**DOSE:** 0 UL/RAT UM

**DISP:** Moribund Sacrifice

**HISTO:** 853019

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ATROPHY      TGLs = 3-9

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5586

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Marked
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood Vessel		Degeneration	Moderate
Note: DEGEN	TGLs = 7-20		
Bone		Fibrous Osteodystrophy	
Coagulating Gland		Inflammation	Marked
Epididymis		Degeneration	Focal, Marked
		Fibrosis	Mild
Note: FIBROSIS	TGLs = 2-9		
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 3-21		
Heart		Cardiomyopathy	Marked
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 4-4		
Liver	Bile Duct	Degeneration	Fatty, Mild
		Hyperplasia	Mild
Lung		Inflammation	Chronic, Moderate
Note: INFLAMMATION	TGLs = 6-2		
Mammary Gland		Lactation	
Nose		Inflammation	Suppurative, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5586

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853020

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pancreas	Acinus	Atrophy	Moderate
Parathyroid Gland		Hypertrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-1		
Preputial Gland		Fibrosis	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Glandular, Mucosa	Degeneration	Moderate
Testes	Seminif Tub	Atrophy	Marked
Note: ATROPHY	TGLs = 1-9		
Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5587

TRT#: 1

SEX: Male

DAY ON TEST: 597

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853021

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Small - Duodenum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Preputial Gland	Thymus
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**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum			

**OBSERVATIONS**

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 9-21			
Heart		Cardiomyopathy	Mild
Intestine Small	Ileum	Hemorrhage	Focal, Moderate
Note: [ HEMORRHAGE ] TGLs = 5-20			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Islets, Pancreatic		Hyperplasia	Moderate
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 7-4			
Liver	Bile Duct	Degeneration	Fatty, Minimal
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-5			
Lung		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

**ANIMAL ID:** 5587

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 597

**DOSE:** 0 UL/RAT UM

**DISP:** Natural Death

**HISTO:** 853021

**ORGAN AND ACCOUNTABLE SITE STATUS**

Mammary Gland

Lactation

Note: LACTATION TGLs = 1-14

Pancreas

Accessory Spleen

Acinus

Atrophy

Moderate

Note: ACCESSORY SPLN TGLs = 10-22

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 8-1

Prostate

Inflammation

Suppurative, Mild

Spleen

Fibrosis

Moderate

Note: LEUKEMIA MONUC TGLs = 3-6

Note: FIBROSIS TGLs = 4-23

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5588

TRT#: 1

SEX: Male

DAY ON TEST: 571

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Spleen	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Preputial Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Mild
Brain		Compression	
Note: COMPRESSION TGLs = 6-1			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
		Cataract	Minimal
Note: [ CATARACT ] TGLs = 1-20,2-20			
Note: CATARACT TGLs = 1-22,2-22			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 5-4			
Liver		Degeneration	Fatty, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: HDN TGLs = 4-5			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 3-14			
Nose		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5588

**TRT#:** 1  
**DOSE:** 0 UL/RAT UM

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 571  
**HISTO:** 853022

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Depletion Cellular	Moderate
Stomach	Forestomach	Acanthosis	Moderate
	Glandular	Dilatation	Moderate
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Moderate

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**PRIMARY CAUSE OF DEATH**

-

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Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5589

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 UL/RAT UM

DISP: Terminal Sacrifice

HISTO: 853023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Nose
Salivary Glands	Skin - Control	Stomach - Glandular	Thyroid Gland
Trachea			

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Epididymis		Degeneration Fibrosis	Focal, Moderate Mild
Note: FIBROSIS TGLs = 7-9			
Eye		Cataract Hemorrhage	Moderate Mild
Note: HEMORRHAGE TGLs = 14-21			
Note: CATARACT TGLs = 2-21			
Kidney	Epithelium, Pelvis	Hyperplasia Nephropathy	Moderate Moderate
Note: NEPHROPATHY TGLs = 11-4			
Liver	Bile Duct	Hepatocellular Adenoma Hyperplasia Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 12-5			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 13-2			
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Lactation	
Note: LACTATION TGLs = 3-14			
Pancreas	Acinus	Atrophy	Mild
Parathyroid Gland		Hypertrophy	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5589

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 UL/RAT UM

DISP: Terminal Sacrifice

HISTO: 853023

ORGAN AND ACCOUNTABLE SITE STATUS

Penis		Inflammation	Acute, Moderate
Note: INFLAMMATION	TGLs = 4-20		
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 8-10		
Seminal Vesicle		Depletion Cellular	Moderate
Note: DEPLETION	TGLs = 5-11		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 9-6		
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 6-9		
Thymus		Leukemia Mononuclear	
Urinary Bladder	Mucosa	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5590

TRT#: 1

SEX: Male

DAY ON TEST: 478

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Hypoplasia	Mild
Brain		Compression	
Note: COMPRESSION	TGLs = 2-1		
Epididymis		Degeneration	Focal, Minimal
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Note: CATARACT	TGLs = 1-14		
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5591

TRT#: 1

SEX: Male

DAY ON TEST: 568

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Testes
Thymus	Trachea		

MISSING

Preputial Gland	Prostate	Seminal Vesicle	Urinary Bladder
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OBSERVATIONS

Bone Marrow		Hypoplasia	Mild
Brain		Compression	
Note: COMPRESSION	TGLs = 7-1		
Epididymis		Degeneration	Focal, Mild
Esophagus		Hyperkeratosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 4-4		
Liver	Peripheral	Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Minimal
		Congestion	Moderate
Lung			
Note: CONGESTION	TGLs = 5-2		
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-14		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-1		
Spleen		Pigmentation	Hemosiderin, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5591

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 568

**DOSE:** 0 UL/RAT UM

**DISP:** Moribund Sacrifice

**HISTO:** 853025

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Ulcer	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5592

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Colon	Lymph Node - Mesenteric
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Mild
	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Moderate
Bone		Fibrous Osteodystrophy	
Ear		Hyperkeratosis	Minimal
Note: HYPERKERATOSIS TGLs = 7-20			
Epididymis		Degeneration	Focal, Marked
		Fibrosis	Mild
Note: FIBROSIS TGLs = 4-9			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 1-21			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 6-4			
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 8-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5592	<b>TRT#:</b> 1 <b>DOSE:</b> 0 UL/RAT UM	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b> 853026
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Preputial Gland		Ectasia	Moderate
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 3-11		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Moderate
Testes	Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 2-9		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5593

TRT#: 1

SEX: Male

DAY ON TEST: 583

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Pancreas	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Spleen
Stomach - Glandular	Testes	Thyroid Gland	Trachea

MISSING

Lymph Node - Mesenteric	Mammary Gland	Preputial Gland	Urinary Bladder
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Eye		Cataract	Mild
		Synechia	Marked
Note: [ SYNECHIA ] TGLs = 5-20			
Note: GENERAL COLLAPSE OF EYEBALL			
Note: [ CATARACT ] TGLs = 5-20			
Heart		Cardiomyopathy	Mild
	Atrium	Dilatation	Moderate
Note: DILATATION TGLs = 1-12			
Intestine Large	Colon	Parasite Metazoan	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Liver		Degeneration	Fatty, Moderate
	Hepatocyte	Hyperplasia	Focal, Mild
Note: DEGEN TGLs = 2-5			
Lung		Congestion	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5593

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 583

**DOSE:** 0 UL/RAT UM

**DISP:** Natural Death

**HISTO:** 853027

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: CONGESTION	TGLs = 3-2		Inflammation	Chronic, Minimal
Nose			Inflammation	Suppurative, Mild
Parathyroid Gland			Hypertrophy	Mild
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1			
Prostate			Inflammation	Suppurative, Moderate
Stomach		Forestomach	Acanthosis	Marked
		Forestomach	Edema	Mild
		Forestomach	Hyperkeratosis	Marked

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5594

TRT#: 1

SEX: Male

DAY ON TEST: 596

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood Vessel		Degeneration	Moderate
Note: DEGEN TGLs = 9-22			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Marked
		Fibrosis	Moderate
Eye		Cataract	Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Moderate
Note: CARDIOMYOPATHY TGLs = 10-12,10-23			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 4-21,5-4			
Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 8-2			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 6-14			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5594	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 596
	<b>DOSE:</b> 0 UL/RAT UM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853028

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Parathyroid Gland Note: HYPERTROPHY TGLs = 7-13		Hypertrophy	Marked
Pituitary Gland Note: ADENOMA TGLs = 11-1	Pars Distalis	Adenoma	
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle Note: ATROPHY TGLs = 3-11		Atrophy	Mild
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
	Muscularis	Necrosis	Focal, Moderate
	Forestomach	Ulcer	Moderate
Note: ULCER TGLs = 12-24			
Testes Note: ATROPHY TGLs = 2-9	Seminif Tub	Atrophy	Moderate

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5595

TRT#: 1

SEX: Male

DAY ON TEST: 264

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Preputial Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus

MISSING

Parathyroid Gland	Pituitary Gland	Prostate
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric	Seminal Vesicle
Thyroid Gland	Trachea		

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Mineralization	Moderate
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
Spleen		Pigmentation	Hemosiderin, Marked
Tissue NOS		Inflammation	Suppurative, Moderate
Note: TISSUE NOS = ABDOMINAL CAVITY			
Urinary Bladder		Hemorrhage	Marked
		Inflammation	Suppurative, Moderate
		Necrosis	Moderate

Note: [ HEMORRHAGE ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5596

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Skin - Site of Application-No Mass  
Trachea

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Spleen  
Urinary Bladder

Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Thymus

Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Skin - Control  
Thyroid Gland

INSUFFICIENT TISSUE

Epididymis

OBSERVATIONS

Adrenal Gland  
Bone  
Eye

Medulla  
Retina

Pheochromocytoma Benign  
Fibrous Osteodystrophy  
Atrophy  
Cataract

Mild  
Mild

Note: CATARACT TGLs = 10-21

Heart  
Kidney

Epithelium, Pelvis

Cardiomyopathy  
Hyperplasia  
Nephropathy

Marked  
Marked  
Marked

Note: NEPHROPATHY TGLs = 6-4

Liver

Clear Cell Focus  
Degeneration  
Hyperplasia  
Inflammation

Fatty, Minimal  
Mild  
Chronic, Marked

Bile Duct

Lung

Note: INFLAMMATION TGLs = 7-2

Lymph Node

Mesenteric

Hemorrhage

Moderate

Note: HEMORRHAGE TGLs = 4-20

Mammary Gland

Lactation

Note: LACTATION TGLs = 1-14

Parathyroid Gland

Hypertrophy

Marked

Note: HYPERTROPHY TGLs = 8-13

Pituitary Gland

Pars Distalis

Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5596	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 600
	<b>DOSE:</b> 0 UL/RAT UM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 853030

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 9-1			
Preputial Gland		Abscess	Moderate	
Prostate		Inflammation	Suppurative, Moderate	
Seminal Vesicle		Atrophy	Moderate	
Note: ATROPHY	TGLs = 3-11			
Stomach		Glandular, Mucosa	Degeneration	Moderate
		Forestomach, Muscularis	Necrosis	Moderate
Note: NECROSIS	TGLs = 5-7			
Testes		Seminif Tub	Degeneration	Marked
		Interstit Cell	Hyperplasia	Minimal
Note: DEGEN	TGLs = 2-9			
PRIMARY CAUSE OF DEATH	-			

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5597

TRT#: 1

SEX: Male

DAY ON TEST: 582

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Salivary Glands
Skin - Control	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Preputial Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
	Medulla	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Degeneration	Focal, Mild
Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
Note: THROMBUS	TGLs = 5-12		
Kidney		Nephropathy	Mild
Liver	Peripheral	Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 4-5		
Note: DEGEN	TGLs = 4-5		
Lung		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Mild
Prostate		Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5597	<b>TRT#:</b> 1 <b>DOSE:</b> 0 UL/RAT UM	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 582 <b>HISTO:</b> 853031
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: INFLAMMATION IN COAGULATION GLAND PART OF PROSTATE		Inflammation	Chronic, Mild
Seminal Vesicle		Depletion Cellular	Moderate
Skin	SOA-No Mass	Cyst Epithelial Inclusion	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6			
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Mild
Testes	Seminif Tub	Atrophy	Mild
Thymus		Depletion Lymphoid	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5598

TRT#: 1

SEX: Male

DAY ON TEST: 587

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Rectum  
Lymph Node - Mesenteric  
Salivary Glands  
Trachea

Bone Marrow  
Intestine Small - Duodenum  
Nose  
Skin - Control  
Urinary Bladder

Brain  
Islets, Pancreatic  
Pancreas  
Skin - Site of Application-No Mass

Esophagus  
Lymph Node - Mandibular  
Pituitary Gland  
Stomach - Forestomach

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland  
  
Blood Vessel  
Note: DEGEN TGLs = 7-20  
Bone  
Note: FIB OSTEODYST TGLs = 10-17  
Epididymis  
Note: FIBROSIS TGLs = 3-9  
Eye  
Note: CATARACT TGLs = 11-21  
Heart  
Kidney  
Note: NEPHROPATHY TGLs = 5-4  
Liver  
Lung  
Mammary Gland  
Note: LACTATION TGLs = 1-14  
Parathyroid Gland

Medulla  
Medulla  
  
  
  
Retina  
  
  
Epithelium, Pelvis  
  
Bile Duct

Hyperplasia  
Pheochromocytoma Benign  
Degeneration  
  
Fibrous Osteodystrophy  
  
Fibrosis  
  
Atrophy  
Cataract  
  
Cardiomyopathy  
Hyperplasia  
Nephropathy  
  
Hyperplasia  
Inflammation  
Lactation  
  
Hypertrophy

Focal, Mild  
  
Moderate  
  
  
  
Moderate  
  
Mild  
Moderate  
  
Moderate  
Mild  
Marked  
  
Mild  
Chronic, Moderate  
  
Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5598	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 587
	<b>DOSE:</b> 0 UL/RAT UM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 853032

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HYPERTROPHY	TGLs = 9-13		
Preputial Gland		Ectasia	Mild
		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Marked
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 4-11		
Spleen		Pigmentation	Hemosiderin, Mild
Stomach		Glandular, Mucosa	Degeneration
Testes		Seminif Tub	Degeneration
		Interstitial Cell	Hyperplasia
Note: DEGEN	TGLs = 2-9		
Thyroid Gland		C Cell	Hyperplasia
Note: HYPERPLASIA	TGLs = 8-13		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5599

TRT#: 1

SEX: Male

DAY ON TEST: 527

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Salivary Glands	Seminal Vesicle
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Brain		Astrocytoma Malignant	
Epididymis		Degeneration	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Moderate
Lung		Atelectasis	Mild
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-14		
Pancreas	Acinus	Atrophy	Mild
Parathyroid Gland		Hypertrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Prostate		Inflammation	Suppurative, Moderate
Testes		Hypoplasia	Mild
Note: HYPOPLASIA	TGLs = 2-9		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5600

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Intestine Large - Rectum  
Lymph Node - Mesenteric  
Skin - Control  
Trachea

Bone Marrow  
Intestine Small - Duodenum  
Nose  
Skin - Site of Application-No Mass

Brain  
Islets, Pancreatic  
Pancreas  
Spleen

Esophagus  
Lymph Node - Mandibular  
Salivary Glands  
Thyroid Gland

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland Cortex Degeneration Fatty, Focal, Mild  
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Blood Vessel Degeneration Mild  
Note: DEGEN TGLs = 7-21

Bone Fibrous Osteodystrophy  
Epididymis Degeneration Focal, Moderate  
Fibrosis Moderate

Eye Retina Atrophy Mild  
Cataract Moderate

Note: CATARACT TGLs = 1-20  
Heart Cardiomyopathy Marked  
Note: CARDIOMYOPATHY TGLs = 8-12

Kidney Nephropathy Marked  
Note: NEPHROPATHY TGLs = 4-4,5-4

Liver Degeneration Fatty, Mild  
Bile Duct Hyperplasia Mild

Lung Congestion Moderate  
Inflammation Chronic, Marked

Note: CONGESTION TGLs = 9-2  
Note: INFLAMMATION TGLs = 9-2

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5600

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853034

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 6-13		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 10-1		
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Marked
Seminal Vesicle		Depletion Cellular	Marked
Note: DEPLETION	TGLs = 2-11		
Stomach	Forestomach	Acanthosis	Minimal
	Glandular, Mucosa	Degeneration	Moderate
	Forestomach	Hyperkeratosis	Mild
Testes	Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 3-9		
Urinary Bladder		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5601

TRT#: 1

SEX: Male

DAY ON TEST: 626

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Skin - Control
Skin - Site of Application-No Mass	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Eye	Lymph Node - Mandibular	Salivary Glands
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AUTO PRECLUDES DIAG.

Epididymis	Intestine Large - Cecum	Intestine Large - Colon
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone		Fibrous Osteodystrophy	
Heart		Cardiomyopathy	Moderate
Intestine Small	Jejunum	Intussusception	Marked
Note: INTUSSUSCEPTN TGLs = 5-20			
Islets, Pancreatic		Adenoma	
Kidney	Pelvis	Dilatation	Mild
	Epithelium, Pelvis	Hyperplasia	Moderate
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 4-4			
Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY TGLs = 7-13			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Depletion Cellular	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5601

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 626

**DOSE:** 0 UL/RAT UM

**DISP:** Natural Death

**HISTO:** 853035

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: DEPLETION      TGLs = 1-11  
Stomach

Forestomach  
Forestomach  
Forestomach  
Seminif Tub

Inflammation

Suppurative, Moderate

Acanthosis  
Hyperkeratosis  
Ulcer  
Atrophy

Moderate  
Moderate  
Moderate  
Moderate

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Note: ATROPHY      TGLs = 2-9  
PRIMARY CAUSE OF DEATH

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Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5602

TRT#: 1

SEX: Male

DAY ON TEST: 687

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Penis	Salivary Glands	Skin - Control	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Moderate
Note: FIBROSIS TGLs = 4-9			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 1-21			
Heart		Cardiomyopathy	Minimal
Intestine Small	Duodenum, Mucosa	Erosion	Focal, Moderate
Kidney	Epithelium, Pelvis	Hyperplasia	Moderate
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 7-4			
Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-5			
Lung		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-2			
Mammary Gland		Lactation	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5602

TRT#: 1

SEX: Male

DAY ON TEST: 687

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853036

ORGAN AND ACCOUNTABLE SITE STATUS

Nose		Fungus	
		Inflammation	Suppurative, Mild
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 10-1		
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Marked
Seminal Vesicle		Depletion Cellular	Marked
		Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
Note: DEPLETION	TGLs = 5-11		
Skin	SOA-No Mass	Acanthosis	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-6		
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Mild
Testes	Seminif Tub	Atrophy	Moderate
		Polyarteritis	Moderate
Note: ATROPHY	TGLs = 3-9		
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5603

TRT#: 1

SEX: Male

DAY ON TEST: 502

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Degeneration Hyperplasia	Fatty, Focal, Moderate Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
Esophagus		Hyperkeratosis	Mild
Eye	Retina	Atrophy Cataract	Mild Mild
Note: CATARACT TGLs = 2-20			
Heart		Cardiomyopathy	Mild
Intestine Small	Duodenum, Mucosa	Erosion	Focal, Mild
Kidney	Epithelium, Pelvis	Hyperplasia Nephropathy	Mild Marked
Note: NEPHROPATHY TGLs = 1-4			
Liver	Hepatocyte	Atrophy	Mild
Lung		Atelectasis	Mild
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Depletion Cellular	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5603

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 502

**DOSE:** 0 UL/RAT UM

**DISP:** Moribund Sacrifice

**HISTO:** 853037

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Edema	Moderate
	Forestomach	Hyperkeratosis	Marked
	Forestomach	Ulcer	Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5604

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Penis
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Blood Vessel		Degeneration	Mild
Note: DEGEN TGLs = 9-22			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Marked
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
	Cornea	Inflammation	Moderate
Note: CATARACT TGLs = 1-21			
Note: INFLAMMATION TGLs = 1-21			
Heart		Cardiomyopathy	Moderate
Note: CARDIOMYOPATHY TGLs = 11-12			
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 6-4,7-4			
Liver		Degeneration	Fatty, Minimal
Lung		Inflammation	Chronic, Mild
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY TGLs = 10-13			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Ectasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5604

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 UL/RAT UM

**DISP:** Moribund Sacrifice

**HISTO:** 853038

**ORGAN AND ACCOUNTABLE SITE STATUS**

Prostate		Fibrosis	Mild
Seminal Vesicle		Inflammation	Suppurative, Moderate
Note: ATROPHY	TGLs = 3-11	Atrophy	Moderate
Skeletal Muscle		Degeneration	Focal, Mild
Note: DEGEN	TGLs = 8-24		
Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Hemosiderin, Mild
Stomach	Glandular, Mucosa	Degeneration	Moderate
	Muscularis	Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 13-7		
Testes	Seminif Tub	Degeneration	Moderate
		Polyarteritis	Moderate
Note: DEGEN	TGLs = 4-9		
Tissue NOS		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 12-23		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5605

TRT#: 1

SEX: Male

DAY ON TEST: 680

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Prostate	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Degeneration	Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood Vessel		Degeneration	Mild
Note: DEGEN	TGLs = 10-20		
Bone		Fibrous Osteodystrophy	
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
	Cornea	Inflammation	Mild
Note: CATARACT	TGLs = 1-22		
Note: INFLAMMATION	TGLs = 1-22		
Heart		Cardiomyopathy	Marked
	Atrium	Thrombosis	
Note: CARDIOMYOPATHY	TGLs = 11-12		
Intestine Large	Colon, Muscularis	Degeneration	Focal, Mild
Note: DEGEN	TGLs = 14-8		
Intestine Small	Ileum, Mucosa	Necrosis	Mild
Kidney	Renal Tubule	Adenoma	
	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 6-4,7-4		
Liver		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5605

TRT#: 1

SEX: Male

DAY ON TEST: 680

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853039

ORGAN AND ACCOUNTABLE SITE STATUS

Lung		Inflammation	Chronic, Moderate
Mammary Gland		Fibroma	
Note: FIBROMA	TGLs = 8-21		
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 9-13		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 12-1		
Preputial Gland		Fibrosis	Mild
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 4-11		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 5-6	Pigmentation	Hemosiderin, Mild
Stomach	Glandular, Mucosa	Degeneration	Mild
	Glandular, Muscularis	Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 13-7		
Testes	Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 3-9	Polyarteritis	Moderate
Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5606

TRT#: 1

SEX: Male

DAY ON TEST: 629

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Esophagus	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Prostate
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Pituitary Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland Note: ONE ADRENAL MISSING	Medulla	Hyperplasia	Focal, Mild
Blood Vessel Note: DEGEN TGLs = 9-20		Degeneration	Moderate
Bone		Fibrous Osteodystrophy	
Bone Marrow		Hypoplasia	Mild
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Moderate
Eye Note: CATARACT TGLs = 10-21	Retina	Atrophy	Moderate
		Cataract	Marked
Heart		Cardiomyopathy	Marked
Kidney Note: NEPHROPATHY TGLs = 4-4		Nephropathy	Marked
Liver Note: CLEAR CL FOCUS TGLs = 3-5	Bile Duct	Clear Cell Focus	
		Hyperplasia	Mild
Lung		Congestion	Mild
		Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5606	<b>TRT#:</b> 1 <b>DOSE:</b> 0 UL/RAT UM	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 629 <b>HISTO:</b> 853040
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: CONGESTION	TGLs = 8-2			
Mammary Gland		Duct	Ectasia	Moderate
Note: ECTASIA	TGLs = 5-22			
Parathyroid Gland			Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 7-13			
Preputial Gland			Fibrosis	Mild
Seminal Vesicle			Depletion Cellular	Moderate
Note: DEPLETION	TGLs = 2-11			
Skin		Other	Cyst Epithelial Inclusion	
Testes		Seminif Tub	Degeneration	Mild
		Interstit Cell	Hyperplasia	Minimal
Note: DEGEN	TGLs = 1-9			

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5607

TRT#: 1

SEX: Male

DAY ON TEST: 399

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mesentery	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Epididymis		Degeneration	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	
Nose		Fungus	
Pancreas	Acinus	Atrophy	Minimal
Prostate		Inflammation	Suppurative, Marked
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5608

TRT#: 1

SEX: Male

DAY ON TEST: 652

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Moderate
	Cortex	Degeneration	Fatty, Focal, Moderate
	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Leukemia Mononuclear	
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
		Leukemia Mononuclear	
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 1-20		
Heart		Abscess	Mild
		Cardiomyopathy	Moderate
	Atrium	Thrombosis	
Note: THROMBUS	TGLs = 8-12		
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 6-4		
Liver		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5608

TRT#: 1

SEX: Male

DAY ON TEST: 652

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853042

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 7-5

Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

Note: LEUKEMIA MONUC TGLs = 5-8

Mammary Gland		Lactation	
Mesentery	Fat	Granuloma	Moderate
		Leukemia Mononuclear	

Note: GRANULOMA TGLs = 3-21

Nose		Inflammation	Chronic, Mild
Pancreas		Fibrosis	Marked

Pituitary Gland		Leukemia Mononuclear	
Preputial Gland		Leukemia Mononuclear	
Prostate		Fibrosis	Moderate
Salivary Glands		Leukemia Mononuclear	
		Leukemia Mononuclear	

Note: LEUKEMIA MONUC TGLs = 2-13

Seminal Vesicle		Leukemia Mononuclear	
Spleen		Depletion Lymphoid	Moderate
		Fibrosis	Moderate

Note: FIBROSIS TGLs = 10-6

Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Ulcer	Marked
Testes	Seminif Tub	Atrophy	Minimal

Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	

Note: LEUKEMIA MONUC TGLs = 4-8

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5609

TRT#: 1

SEX: Male

DAY ON TEST: 651

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood Vessel		Degeneration	Mild
Note: DEGEN	TGLs = 6-20		
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Mild
		Fibrosis	Moderate
Note: FIBROSIS	TGLs = 3-9		
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-21		
Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	
Note: THROMBUS	TGLs = 7-12		
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 5-4		
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Mild
		Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5609

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 651

**DOSE:** 0 UL/RAT UM

**DISP:** Moribund Sacrifice

**HISTO:** 853043

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: CONGESTION	TGLs = 8-2			
Nose			Inflammation	Chronic, Moderate
Parathyroid Gland			Hypertrophy	Moderate
Pituitary Gland		Pars Distalis	Adenoma	
			Pigmentation	Moderate
Preputial Gland			Fibrosis	Mild
Prostate			Inflammation	Suppurative, Marked
Seminal Vesicle			Depletion Cellular	Moderate
Note: DEPLETION	TGLs = 4-11			
Testes		Seminif Tub	Degeneration	Mild
Note: DEGEN	TGLs = 2-9			
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5610

TRT#: 1

SEX: Male

DAY ON TEST: 629

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Small - Duodenum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Degeneration Fibrosis Mesothelioma Benign	Focal, Minimal Mild
Eye	Retina	Atrophy Cataract	Moderate Moderate
Note: [ CATARACT ] TGLs = 7-20			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Centrilobular Bile Duct	Degeneration Hyperplasia	Fatty, Moderate Moderate
Note: DEGEN TGLs = 8-5			
Lung		Congestion	Mild
Mesentery		Mesothelioma Benign	
Note: MESOTHELIO BGN TGLs = 2-22			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 9-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5610	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 629
	<b>DOSE:</b> 0 UL/RAT UM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 853044

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Preputial Gland		Fibrosis	Mild
Spleen		Congestion	Moderate
Note: CONGESTION	TGLs = 3-6		
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Ulcer	Moderate
Testes	Seminif Tub	Atrophy	Marked
	Tunic	Mesothelioma Benign	
Note: MESOTHELIO BGN	TGLs = 5-9,6-21		
Note: ATROPHY	TGLs = 4-9		
Thymus		Hemorrhage	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5611

TRT#: 1

SEX: Male

DAY ON TEST: 636

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric	Nose
Pancreas	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Mild
	Cortex	Degeneration	Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Hypoplasia	Mild
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Esophagus		Hyperkeratosis	Moderate
Eye	Retina	Atrophy	Mild
Note: ATROPHY TGLs = 7-20			
Islets, Pancreatic		Adenoma	
Note: ISLET ADENOMA ON SLIDE #7			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 4-4			
Liver	Bile Duct	Degeneration	Fatty, Mild
		Hyperplasia	Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 2-14			
Parathyroid Gland		Hypertrophy	Minimal
Note: HYPERTROPHY TGLs = 5-13			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5611

TRT#: 1

SEX: Male

DAY ON TEST: 636

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853045

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-1			
Preputial Gland			Fibrosis	Mild
Seminal Vesicle			Depletion Cellular	Moderate
Spleen			Pigmentation	Hemosiderin, Moderate
Stomach		Forestomach	Acanthosis	Marked
		Forestomach	Edema	Mild
		Forestomach	Hyperkeratosis	Marked
		Forestomach	Squamous Cell Papilloma	
Testes		Interstit Cell	Adenoma	
Note: ATROPHY	TGLs = 3-9	Seminif Tub	Atrophy	Mild
Tissue NOS			Fibrosarcoma	
Note: FIBROSARC	TGLs = 1-21			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5612

TRT#: 1

SEX: Male

DAY ON TEST: 568

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Intestine Large - Cecum  
Intestine Small - Ileum  
Pancreas  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Skin - Control  
Testes

Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Skin - Site of Application-No Mass  
Thyroid Gland

MISSING

Preputial Gland

Thymus

INSUFFICIENT TISSUE

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland

Cortex

Degeneration

Fatty, Focal, Minimal

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Bone

Fibrous Osteodystrophy

Epididymis

Degeneration

Focal, Mild

Eye

Retina

Atrophy

Moderate

Cataract

Moderate

Inflammation

Mild

Note: [ INFLAMMATION ] TGLs = 4-22

Note: [ CATARACT ] TGLs = 4-22

Heart

Cardiomyopathy

Mild

Kidney

Epithelium, Pelvis

Hyperplasia

Mild

Nephropathy

Marked

Note: NEPHROPATHY TGLs = 2-4

Liver

Degeneration

Fatty, Minimal

Bile Duct

Hyperplasia

Minimal

Inflammation

Chronic, Focal, Minimal

Congestion

Mild

Lung

Mammary Gland

Lactation

Note: LACTATION TGLs = 1-14

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5612	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 568
	<b>DOSE:</b> 0 UL/RAT UM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853046

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Mild
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Depletion Cellular	Moderate
Spleen		Pigmentation	Hemosiderin, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5613

TRT#: 1

SEX: Male

DAY ON TEST: 668

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Preputial Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
	Medulla	Hyperplasia	Focal, Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood Vessel		Degeneration	Moderate
Note: DEGEN TGLs = 10-22			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Mild
Eye		Cataract	Moderate
		Hemorrhage	Moderate
	Cornea	Inflammation	Moderate
Note: INFLAMMATION TGLs = 1-21			
Note: HEMORRHAGE TGLs = 2-21			
Note: CATARACT TGLs = 1-21			
Heart	Myocardium	Necrosis	Marked
Note: NECROSIS TGLs = 11-12			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 6-4,7-4,8-4			
Liver	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Chronic, Moderate
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY TGLs = 9-13			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5613

TRT#: 1

SEX: Male

DAY ON TEST: 668

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853047

**ORGAN AND ACCOUNTABLE SITE STATUS**

Penis Note: INFLAMMATION TGLs = 3-20		Inflammation	Acute, Mild
Pituitary Gland Note: ADENOMA TGLs = 12-1	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Mild
Seminal Vesicle Note: ATROPHY TGLs = 4-11		Atrophy	Mild
Skin	Abdominal	Inflammation	Suppurative, Minimal
Stomach Note: [ DEGEN ] TGLs = 7-7	Glandular, Mucosa	Degeneration	Mild
Testes Note: ATROPHY TGLs = 5-9	Interstit Cell Seminif Tub	Adenoma Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5614

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Degeneration Pheochromocytoma Benign	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration Fibrosis	Focal, Moderate Moderate
Note: FIBROSIS TGLs = 13-9			
Eye	Retina	Atrophy Cataract	Mild Moderate
Note: CATARACT TGLs = 12-20			
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Intestine Small	Duodenum, Mucosa	Erosion	Focal, Moderate
Kidney	Epithelium, Pelvis Epithelium, Pelvis	Hyperplasia Inflammation Nephropathy	Moderate Mild Marked
Note: NEPHROPATHY TGLs = 6-4			
Liver	Bile Duct	Hepatodiaphragmatic Nodule Hyperplasia	Mild
Note: HDN TGLs = 5-5			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5614

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853048

**ORGAN AND ACCOUNTABLE SITE STATUS**

Mammary Gland			Lactation	
Note: LACTATION	TGLs = 1-14			
Parathyroid Gland			Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 9-13			
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 10-1			
Preputial Gland			Fibrosis	Moderate
Prostate			Inflammation	Suppurative, Moderate
Seminal Vesicle			Depletion Cellular	Moderate
Note: DEPLETION	TGLs = 3-11			
Spleen			Pigmentation	Hemosiderin, Mild
Stomach		Forestomach	Acanthosis	Moderate
		Forestomach	Edema	Mild
		Forestomach	Hyperkeratosis	Moderate
		Forestomach	Ulcer	Mild
Testes		Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 2-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5615

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 UL/RAT UM

DISP: Terminal Sacrifice

HISTO: 853049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Epididymis		Degeneration	Focal, Moderate
Eye		Cataract	Moderate
Note: CATARACT TGLs = 3-21			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 8-4			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-5,10-5			
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 11-1			
Skin	SOA-Mass	Fibrosis	Focal, Mild
	SOA-Mass	Hyperplasia	Squamous, Mild
	SOA-Mass, Sebaceous GI	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 1-20			
Spleen		Congestion	Marked
		Fibrosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5615

**TRT#:** 1  
**DOSE:** 0 UL/RAT UM

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 734  
**HISTO:** 853049

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes  
Note: DEGEN      TGLs = 5-9

Seminif Tub

Leukemia Mononuclear  
Degeneration

Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5616

TRT#: 1

SEX: Male

DAY ON TEST: 598

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Preputial Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Esophagus		Necrosis	Marked
Note: NECROSIS	TGLs = 8-22		
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Minimal
Kidney		Lipoma	
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 5-4,6-4		
Note: [ LIPOMA ]	TGLs = 7-4+21		
Liver		Inflammation	Chronic, Focal, Minimal
Nose		Fungus	
Pancreas	Acinus	Atrophy	Moderate
Parathyroid Gland		Hypertrophy	Mild
Note: HYPERTROPHY	TGLs = 9-13		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 10-1		
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 4-11		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5616	<b>TRT#:</b> 1 <b>DOSE:</b> 0 UL/RAT UM	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 598 <b>HISTO:</b> 853050
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Skin Note: [ KERATOACANTHMA ] TGLs = 1-23		Keratoacanthoma	
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Marked
	Forestomach	Ulcer	Moderate
Note: HYPERKERATOSIS TGLs = 14-7 Note: ACANTHOSIS TGLs = 14-7			
Testes Note: ATROPHY TGLs = 3-9	Seminif Tub	Atrophy	Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5617

TRT#: 1

SEX: Male

DAY ON TEST: 699

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood Vessel		Degeneration	Mild
Note: DEGEN TGLs = 6-21			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Marked
		Fibrosis	Moderate
Note: FIBROSIS TGLs = 4-9			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 7-20			
Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 1-4			
Liver	Midzonal	Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Chronic, Mild
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Minimal
Parathyroid Gland		Hypertrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5617

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 699

**DOSE:** 0 UL/RAT UM

**DISP:** Moribund Sacrifice

**HISTO:** 853051

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Depletion Cellular	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 2-6		
Stomach	Glandular, Mucosa	Degeneration	Mild
Testes	Seminif Tub	Atrophy	Marked
Note: ATROPHY	TGLs = 3-9		
Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5618

TRT#: 1

SEX: Male

DAY ON TEST: 549

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 3-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Inflammation	Chronic, Focal, Minimal
Nose		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Carcinoma	
		Fibrosis	Moderate
Note: CARCINOMA	TGLs = 2-10		
Seminal Vesicle		Atrophy	Moderate
Testes	Seminif Tub	Degeneration	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5619

TRT#: 1

SEX: Male

DAY ON TEST: 636

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Salivary Glands	Skin - Control	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Islets, Pancreatic	Preputial Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Hypoplasia	Mild
Note: HYPOPLASIA TGLs = 8-17			
Note: CORTICAL BONE THINNING - NOT IN TABLE			
Bone Marrow		Hypoplasia	Mild
Epididymis		Degeneration	Focal, Moderate
Esophagus		Hyperkeratosis	Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 9-20			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 4-4			
Liver		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 1-14			
Parathyroid Gland		Hypertrophy	Mild
Note: HYPERTROPHY TGLs = 6-13			
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5619

TRT#: 1

SEX: Male

DAY ON TEST: 636

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853053

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 7-1		
Prostate		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 2-10		
Seminal Vesicle		Depletion Cellular	Mild
Skin		Cyst Epithelial Inclusion	
		Inflammation	Suppurative, Moderate
Spleen		Pigmentation	Hemosiderin, Mild
Stomach		Acanthosis	Moderate
		Edema	Moderate
		Hyperkeratosis	Moderate
		Ulcer	Marked
Note: ULCER	TGLs = 3-7		
Testes		Atrophy	Mild
Note: ATROPHY	TGLs = 10-9		
Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5620

TRT#: 1

SEX: Male

DAY ON TEST: 520

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Focal, Mild
Brain		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 4-4		
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Fibroma	
		Lactation	
Nose		Foreign Body	Mild
Prostate		Inflammation	Suppurative, Mild
Seminal Vesicle		Atrophy	Mild
Skin	Other	Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5620

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 520

**DOSE:** 0 UL/RAT UM

**DISP:** Moribund Sacrifice

**HISTO:** 853054

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 2-6

Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Moderate
	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Ulcer	Moderate
Testes	Seminif Tub	Atrophy	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5621

TRT#: 1

SEX: Male

DAY ON TEST: 548

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Nose	Parathyroid Gland	Prostate	Skin - Control
Skin - Site of Application-No Mass	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Small - Duodenum	Lymph Node - Mesenteric	Pituitary Gland	Preputial Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Mild
	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Epididymis		Fibrosis	Mild
Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
Note: CARDIOMYOPATHY TGLs = 6-12			
Note: THROMBUS TGLs = 4-12,5-12			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Liver	Peripheral	Degeneration	Fatty, Moderate
Note: DEGEN TGLs = 2-5			
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Mild
Seminal Vesicle		Depletion Cellular	Moderate
Skin	Other	Inflammation	Suppurative, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 1-6			
Testes	Seminif Tub	Degeneration	Mild
Tissue NOS		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 3-20			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5621

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 548

**DOSE:** 0 UL/RAT UM

**DISP:** Natural Death

**HISTO:** 853055

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5622

TRT#: 1

SEX: Male

DAY ON TEST: 502

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Prostate	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Pituitary Gland	Preputial Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 5-20			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 3-4,4-4			
Liver		Degeneration	Fatty, Mild
		Degeneration	Cystic, Focal, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Hyperplasia	Mild
Parathyroid Gland		Hypertrophy	Moderate
Seminal Vesicle		Atrophy	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Acanthosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5622

**TRT#:** 1  
**DOSE:** 0 UL/RAT UM

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 502  
**HISTO:** 853056

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes  
Note: DEGEN      TGLs = 1-9

Forestomach  
Seminif Tub

Hyperkeratosis  
Degeneration

Mild  
Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5623

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 UL/RAT UM

DISP: Terminal Sacrifice

HISTO: 853057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT TGLs = 7-20			
Heart		Cardiomyopathy	Moderate
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Note: NEPHROPATHY TGLs = 5-4			
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Seminif Tub	Atrophy	Mild
Note: ATROPHY TGLs = 3-9			
Thyroid Gland	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5624

TRT#: 1

SEX: Male

DAY ON TEST: 646

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Spleen
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood Vessel		Degeneration	Moderate
Note: DEGEN TGLs = 11-20			
Bone		Fibrous Osteodystrophy	
Eye	Retina	Atrophy	Moderate
Note: CATARACT TGLs = 13-21		Cataract	Moderate
Heart		Cardiomyopathy	Moderate
Note: CARDIOMYOPATHY TGLs = 10-12			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
Note: NEPHROPATHY TGLs = 6-4		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
Note: INFLAMMATION TGLs = 7-3		Inflammation	Chronic, Marked
Note: CONGESTION TGLs = 7-2			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 1-14			
Nose		Foreign Body	Moderate
Pancreas	Acinus	Adenoma	
Parathyroid Gland		Hypertrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5624

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 646

**DOSE:** 0 UL/RAT UM

**DISP:** Natural Death

**HISTO:** 853058

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HYPERTROPHY	TGLs = 9-13			
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 12-1			
Prostate			Inflammation	Suppurative, Mild
Note: INFLAMMATION	TGLs = 3-10			
Stomach		Forestomach	Acanthosis	Minimal
		Forestomach	Hyperkeratosis	Minimal
Testes		Seminif Tub	Atrophy	Mild
Note: ATROPHY	TGLs = 2-9			
Thyroid Gland		Follicular Cel	Adenoma	
<b>PRIMARY CAUSE OF DEATH</b>		-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5625

TRT#: 1

SEX: Male

DAY ON TEST: 594

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Epididymis		Degeneration	Focal, Marked
		Fibrosis	Moderate
Eye	Retina	Atrophy	Minimal
		Cataract	Mild
Note: CATARACT	TGLs = 2-21		
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Congestion	Marked
	Colon	Edema	Marked
Note: CONGESTION	TGLs = 11-8		
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: EDEMA	TGLs = 10-8		
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 13-4,14-4		
Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 12-5		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 16-2		
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mesenteric	Hemorrhage	Marked
Note: HEMORRHAGE	TGLs = 17-12,17-23		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5625

TRT#: 1

SEX: Male

DAY ON TEST: 594

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853059

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMORRHAGE	TGLs = 7-8			
Mammary Gland			Lactation	
Mesentery		Fat	Granuloma	Moderate
Note: [ GRANULOMA ]	TGLs = 8-22			
Pancreas		Acinus	Atrophy	Mild
Parathyroid Gland			Hyperplasia	Focal, Minimal
Penis			Inflammation	Acute, Minimal
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 18-1			
Preputial Gland			Fibrosis	Moderate
Seminal Vesicle			Atrophy	Moderate
Spleen			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-6			
Stomach		Forestomach	Acanthosis	Moderate
		Forestomach	Hyperkeratosis	Moderate
		Forestomach	Squamous Cell Papilloma	
		Forestomach	Ulcer	Mild
Note: PAPILLOMA SQUA	TGLs = 9-7			
Testes		Seminif Tub	Atrophy	Mild
Note: ATROPHY	TGLs = 5-9			
Thyroid Gland		C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5626

TRT#: 1

SEX: Male

DAY ON TEST: 524

DOSE: 0 UL/RAT UM

DISP: Natural Death

HISTO: 853060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Preputial Gland

OBSERVATIONS

Brain		Compression	
		Hemorrhage	Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 1-4		
Liver		Clear Cell Focus	
		Hyperplasia	Mild
Lung		Congestion	Moderate
Note: CONGESTION	TGLs = 2-2		
Mammary Gland		Lactation	
Pituitary Gland		Adenoma	
Note: ADENOMA	TGLs = 3-1		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5627

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Preputial Gland	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Colon

OBSERVATIONS

Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Moderate
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 1-4		
Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Chronic, Mild
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Seminal Vesicle		Depletion Cellular	Moderate
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5627

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 671

**DOSE:** 0 UL/RAT UM

**DISP:** Moribund Sacrifice

**HISTO:** 853061

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Forestomach

Hyperkeratosis

Moderate

Forestomach

Ulcer

Mild

Testes

Seminif Tub

Degeneration

Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5628

TRT#: 1

SEX: Male

DAY ON TEST: 591

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Prostate
Salivary Glands	Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Degeneration Hyperplasia	Fatty, Focal, Mild Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Brain		Inflammation	Chronic, Focal, Mild
Epididymis		Degeneration	Focal, Moderate
Eye		Cataract Hemorrhage	Moderate Moderate
Note: CATARACT	TGLs = 2-20		
Note: HEMORRHAGE	TGLs = 1-20		
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 5-4		
Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
		Inflammation	Chronic, Mild
Nose		Foreign Body	Mild
Pancreas		Cytoplasmic Alteration	Focal, Mild
Parathyroid Gland		Hypertrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5628	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 591
	<b>DOSE:</b> 0 UL/RAT UM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853062

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Preputial Gland Note: ECTASIA TGLs = 3-10		Ectasia	Moderate
Sem Ves Note: SEMINAL VESICULAR MASS ORIGINATED IN URETHRA			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular, Mucosa	Degeneration	Moderate
Urethra Note: CARCINOMA TGLs = 4-21	Transit Epithe	Carcinoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:04

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5629

TRT#: 1

SEX: Male

DAY ON TEST: 681

DOSE: 0 UL/RAT UM

DISP: Moribund Sacrifice

HISTO: 853063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Prostate	Salivary Glands	Seminal Vesicle
Skin - Control	Spleen	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood Vessel		Degeneration	Mild
Note: DEGEN TGLs = 6-21			
Bone		Fibrous Osteodystrophy	
Note: FIB OSTEODYST TGLs = 7-17			
Epididymis		Degeneration	Focal, Moderate
Eye		Cataract	Moderate
	Cornea	Inflammation	Moderate
Note: INFLAMMATION TGLs = 1-20			
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Marked
Note: CARDIOMYOPATHY TGLs = 5-12			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 4-4			
Liver		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Moderate
Lung		Inflammation	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5629	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 681
	<b>DOSE:</b> 0 UL/RAT UM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853063

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Mammary Gland		Abscess	Marked
		Lactation	
Note: ABSCESS	TGLs = 3-14		
Pancreas	Acinus	Atrophy	Minimal
Parathyroid Gland		Hypertrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Marked
Preputial Gland		Fibrosis	Mild
Skin	SOA-No Mass	Basal Cell Adenoma	
Stomach	Glandular, Mucosa	Degeneration	Mild
	Forestomach, Muscularis	Necrosis	Mild
Testes	Seminif Tub	Atrophy	Mild
Thyroid Gland	C Cell	Adenoma	

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

---

**ANIMAL ID:** 5690

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 100 UL RAT LM

**DISP:** Scheduled Sacrifice

**HISTO:** 853124

---

**OBSERVATIONS**

Skin

SOA-No Mass

Acanthosis

Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:04  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

---

**ANIMAL ID:** 5691

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 100 UL RAT LM

**DISP:** Scheduled Sacrifice

**HISTO:** 853125

---

**OBSERVATIONS**

Skin

SOA-No Mass

Acanthosis

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:04

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

---

**ANIMAL ID:** 5693

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 100 UL RAT LM

**DISP:** Scheduled Sacrifice

**HISTO:** 853127

---

**OBSERVATIONS**

Skin

SOA-No Mass

Acanthosis

Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5695

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 100 UL RAT LM

**DISP:** Scheduled Sacrifice

**HISTO:** 853129

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**OBSERVATIONS**

Skin

Other

Inflammation

Acute, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5696

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 100 UL RAT LM

**DISP:** Scheduled Sacrifice

**HISTO:** 853130

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**OBSERVATIONS**

Skin

SOA-No Mass

Acanthosis

Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

---

**ANIMAL ID:** 5697

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 100 UL RAT LM

**DISP:** Scheduled Sacrifice

**HISTO:** 853131

---

**OBSERVATIONS**

Skin

SOA-No Mass

Acanthosis

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5700

TRT#: 3

SEX: Male

DAY ON TEST: 580

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Prostate	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Malignant	
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Note: FIBROSIS TGLs = 3-9			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: [ CATARACT ] TGLs = 7-20			
Heart		Cardiomyopathy	Moderate
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 5-4			
Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland		Cyst	
	Pars Distalis	Hyperplasia	Focal, Moderate
Seminal Vesicle		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

---

**ANIMAL ID:** 5700

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 580

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853134

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ATROPHY      TGLs = 6-11

Stomach

Forestomach

Squamous Cell Papilloma

Testes

Seminif Tub

Atrophy

Marked

Note: ATROPHY      TGLs = 2-9

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5701

TRT#: 3

SEX: Male

DAY ON TEST: 666

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pituitary Gland	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Degeneration Hyperplasia	Fatty, Focal, Moderate Focal, Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood Vessel		Degeneration	Moderate
Note: DEGEN	TGLs = 11-20		
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
Eye	Retina	Atrophy Cataract Hemorrhage	Moderate Moderate Moderate
Note: HEMORRHAGE	TGLs = 13-21		
Note: CATARACT	TGLs = 12-21		
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 7-4		
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion Inflammation	Mild Chronic, Mild
Note: CONGESTION	TGLs = 10-2		
Mammary Gland			
Note: MASS SEEN GROSSLY WAS OF PREPUTIAL GLAND			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5701

TRT#: 3

SEX: Male

DAY ON TEST: 666

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853135

ORGAN AND ACCOUNTABLE SITE STATUS

Nose		Foreign Body	Marked
		Inflammation	Suppurative, Marked
Pancreas	Acinus	Atrophy	Moderate
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 9-13		
Preputial Gland		Carcinoma	
		Fibrosis	Mild
Note: CARCINOMA	TGLs = 2-14		
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 5-11		
Skin	Abdominal	Exudate	
Note: EXUDATE	TGLs = 1-22		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 4-6		
Stomach	Glandular, Mucosa	Degeneration	Mild
	Serosa	Inflammation	Necrotizing, Moderate
Testes	Seminif Tub	Atrophy	Mild
Note: ATROPHY	TGLs = 3-9		
Thymus		Depletion Lymphoid	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5702

TRT#: 3

SEX: Male

DAY ON TEST: 620

DOSE: 100 UL RAT LM

DISP: Natural Death

HISTO: 853136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Ear
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Brain		Compression	
Note: COMPRESSION TGLs = 4-1			
Epididymis		Degeneration	Focal, Minimal
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
Mammary Gland		Lactation	
Note: LACTATION TGLs = 2-14			
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Spleen		Pigmentation	Hemosiderin, Mild
Testes	Seminif Tub	Atrophy	Moderate
Note: ATROPHY TGLs = 3-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5703

TRT#: 3

SEX: Male

DAY ON TEST: 304

DOSE: 100 UL RAT LM

DISP: Natural Death

HISTO: 853137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Kidney	Epithelium, Pelvis	Hyperplasia Nephropathy	Minimal Mild
Liver	Bile Duct	Hyperplasia Inflammation	Minimal Chronic, Focal, Mild
Lung Note: HYPERPLASIA TGLs = 5-2	Alveolar Epith	Hyperplasia	Focal, Mild
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Skin Note: HEMORRHAGE TGLs = 4-14	Foot	Hemorrhage	Marked
Spleen		Pigmentation	Hemosiderin, Moderate
Thymus Note: THYMUS REPLACED BY MESOTHELIOMA			
Tissue NOS Note: MESOTHELIO MAL TGLs = 1-7,2-7	Thoracic	Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5704

TRT#: 3

SEX: Male

DAY ON TEST: 359

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Moderate
Note: COMPRESSION TGLs = 2-1			
Note: HYDROCEPHALUS TGLs = 2-1			
Kidney	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1			
Prostate		Inflammation	Suppurative, Marked
Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5705

TRT#: 3

SEX: Male

DAY ON TEST: 601

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pituitary Gland	Preputial Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Forestomach
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Blood Vessel Note: DEGEN TGLs = 8-20		Degeneration	Moderate
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Marked
Eye Note: CATARACT TGLs = 2-21	Retina	Atrophy Cataract	Moderate Moderate
Heart Note: CARDIOMYOPATHY TGLs = 9-12		Cardiomyopathy	Marked
Intestine Large	Colon, Muscularis	Necrosis	Focal, Mild
Kidney Note: NEPHROPATHY TGLs = 5-4,6-4		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Chronic, Mild
Mammary Gland		Lactation	
Nose		Foreign Body	Mild
Pancreas Note: FIBROSARC TGLs = 10-22		Fibrosarcoma	
Parathyroid Gland Note: HYPERTROPHY TGLs = 7-13		Hypertrophy	Moderate
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle Note: ATROPHY TGLs = 3-11		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5705	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 601
	<b>DOSE:</b> 100 UL RAT LM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853139

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Epithelium, Glandular	Degeneration	Moderate
	Epithelium, Glandular	Hyperplasia	Moderate
	Serosa	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 11-7			
Testes	Seminif Tub	Degeneration	Moderate
Note: [ DEGEN ] TGLs = 4-9			
Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5706

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Urinary Bladder

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Seminal Vesicle  
Thymus

Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Preputial Gland  
Skin - Control  
Thyroid Gland

Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Prostate  
Skin - Site of Application-No Mass  
Trachea

OBSERVATIONS

Adrenal Gland  
Blood Vessel  
Note: [ DEGEN ] TGLs = 9-20

Cortex

Hyperplasia  
Degeneration

Focal, Mild  
Mild

Bone  
Epididymis  
Eye

Retina

Fibrous Osteodystrophy  
Degeneration  
Atrophy  
Cataract  
Hemorrhage

Focal, Mild  
Mild  
Moderate  
Moderate

Note: [ HEMORRHAGE ] TGLs = 11-21  
Note: [ CATARACT ] TGLs = 3-21

Heart  
Kidney

Epithelium, Pelvis

Cardiomyopathy  
Hyperplasia  
Nephropathy

Marked  
Mild  
Marked

Note: [ NEPHROPATHY ] TGLs = 8-4

Liver  
Lung  
Mammary Gland

Bile Duct

Hyperplasia  
Inflammation  
Lactation

Mild  
Chronic, Mild

Note: [ LACTATION ] TGLs = 4-14

Nose  
Parathyroid Gland

Exudate  
Hypertrophy

Moderate

Note: [ HYPERTROPHY ] TGLs = 10-13

Pituitary Gland

Pars Distalis

Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5706

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 701

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853140

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ADENOMA ] TGLs = 12-1 Skeletal Muscle	Diaphragm	Necrosis	Focal, Mild
Note: [ NECROSIS ] TGLs = 7-22 Skin			
Note: FOR TGL2. Note: HISTOLOGIC SECTION INSUFFICIENT TO CONFIRM PAPILLOMA			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Glandular, Mucosa Muscularis	Degeneration Necrosis	Moderate Focal, Mild
Note: [ NECROSIS ] TGLs = 13-7 Testes	Seminif Tub	Atrophy	Moderate
Note: [ ATROPHY ] TGLs = 5-9			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5707

TRT#: 3

SEX: Male

DAY ON TEST: 665

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Parathyroid Gland	Prostate	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Epididymis		Degeneration	Focal, Marked
Eye	Retina	Atrophy	Mild
Note: CATARACT	TGLs = 1-20	Cataract	Moderate
Heart		Cardiomyopathy	Mild
Note: THROMBUS	TGLs = 10-12	Atrium	Thrombosis
Intestine Small		Duodenum, Mucosa	Erosion
Islets, Pancreatic			Adenoma
Kidney			Nephropathy
Note: NEPHROPATHY	TGLs = 5-4		Mild
Liver	Centrilobular	Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-5	Necrosis	Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Angiectasis	Moderate
Note: ANGIECTASIS	TGLs = 9-21		
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 8-14		
Nose		Foreign Body	Mild
		Fungus	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

**ANIMAL ID:** 5707

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 665

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853141

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 11-1			
Preputial Gland		Ectasia	Mild
		Fibrosis	Mild
Note: ECTASIA TGLs = 2-10			
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY TGLs = 4-11			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-6			
Stomach	Glandular, Mucosa	Erosion	Focal, Moderate
Testes	Seminif Tub	Atrophy	Minimal
Note: ATROPHY TGLs = 3-9			
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5708

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 UL RAT LM

DISP: Terminal Sacrifice

HISTO: 853142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Pancreas

Salivary Glands

Skin - Control

Skin - Site of Application-No Mass

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Degeneration

Moderate

Cortex

Hyperplasia

Focal, Mild

Bone

Fibrous Osteodystrophy

Epididymis

Degeneration

Focal, Marked

Fibrosis

Mild

Note: FIBROSIS TGLs = 6-9

Eye

Retina

Atrophy

Moderate

Cataract

Moderate

Note: CATARACT TGLs = 3-20

Heart

Cardiomyopathy

Mild

Islets, Pancreatic

Adenoma

Kidney

Renal Tubule

Adenoma

Nephropathy

Marked

Note: NEPHROPATHY TGLs = 8-4

Liver

Bile Duct

Degeneration

Cystic, Focal, Moderate

Hyperplasia

Moderate

Leukemia Mononuclear

Mammary Gland

Fibroma

Galactocele

Lactation

Note: LACTATION TGLs = 2-14

Note: GALACTOCELE TGLs = 1-21

Note: FIBROMA TGLs = 1-21

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

**ANIMAL ID:** 5708

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 734

**DOSE:** 100 UL RAT LM

**DISP:** Terminal Sacrifice

**HISTO:** 853142

**ORGAN AND ACCOUNTABLE SITE STATUS**

Nose		Inflammation	Chronic, Mild
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Suppurative, Marked
Seminal Vesicle		Depletion Cellular	Marked
Note: DEPLETION	TGLs = 7-11		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6		
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Ulcer	Mild
Testes	Seminif Tub	Atrophy	Moderate
		Polyarteritis	Mild
Note: ATROPHY	TGLs = 5-9		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5709

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Nose	Pancreas
Prostate	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Epididymis		Degeneration	Focal, Marked
		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
Note: THROMBUS	TGLs = 2-12		
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
Note: DEGEN	TGLs = 5-5		
Lymph Node	Mesenteric	Congestion	Moderate
Note: CONGESTION	TGLs = 4-8		
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Fibrosis	Mild
Seminal Vesicle		Depletion Cellular	Mild
Skin	Abdominal	Edema	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5709	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 673
	<b>DOSE:</b> 100 UL RAT LM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853143

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
Testes	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
Thymus		Depletion Lymphoid	Mild
Thyroid Gland	C Cell	Adenoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5710

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 UL RAT LM

DISP: Terminal Sacrifice

HISTO: 853144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-4			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 15-1			
Epididymis		Degeneration	Focal, Marked
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 2-20			
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 10-4			
Liver		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 11-5,12-5			
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Note: LACTATION TGLs = 13-22			
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Note: ADENOMA TGLs = 16-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5710

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** 100 UL RAT LM

**DISP:** Terminal Sacrifice

**HISTO:** 853144

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland		Abscess	Moderate
		Fibrosis	Moderate
Note: ABSCESS	TGLs = 3-10		
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 4-11		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-6		
Testes	Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 6-9		
Tissue NOS		Fibrosarcoma	
Note: FIBROSARC	TGLs = 14-21		
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5711

TRT#: 3

SEX: Male

DAY ON TEST: 654

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pituitary Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Spleen
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Blood Vessel		Degeneration	Moderate
Note: DEGEN	TGLs = 8-20		
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Moderate
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 1-21		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Moderate
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 4-4,5-4,6-4		
Liver	Bile Duct	Hyperplasia	Mild
Pancreas		Cytoplasmic Alteration	Focal, Mild
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 7-13		
Preputial Gland		Fibrosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5711

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 654

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853145

**ORGAN AND ACCOUNTABLE SITE STATUS**

Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Depletion Cellular Inflammation	Marked Suppurative, Marked
Note: DEPLETION	TGLs = 2-11		
Stomach	Forestomach Glandular Forestomach	Acanthosis Fibrosis Hyperkeratosis	Mild Mild Mild
Testes	Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 3-9		
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5712

TRT#: 3

SEX: Male

DAY ON TEST: 620

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Mild
	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Compression	
Note: COMPRESSION TGLs = 4-1			
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Seminal Vesicle		Depletion Cellular	Moderate
Note: DEPLETION TGLs = 2-11			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5712

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 620

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853146

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen

Testes

Note: ATROPHY

TGLs = 3-9

Seminif Tub

Leukemia Mononuclear

Atrophy

Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5713

TRT#: 3

SEX: Male

DAY ON TEST: 616

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Spleen	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Preputial Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Brain		Compression	
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 2-20,6-20			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 3-4,4-4			
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Seminal Vesicle		Depletion Cellular	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5713	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 616
	<b>DOSE:</b> 100 UL RAT LM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853147

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: DEPLETION	TGLs = 1-11			
Stomach		Forestomach	Acanthosis	Moderate
		Forestomach	Hyperkeratosis	Moderate
		Forestomach	Ulcer	Mild
Testes		Seminif Tub	Atrophy	Moderate
Thymus			Depletion Lymphoid	Mild
			Hyperplasia	Pseudoepithel, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5714

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 UL RAT LM

DISP: Terminal Sacrifice

HISTO: 853148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Prostate	Salivary Glands	Skin - Control	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 6-4		
Liver	Bile Duct	Hyperplasia	Mild
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 7-1		
Preputial Gland		Fibrosis	Mild
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 5-11		
Skin	SOA-No Mass	Exudate	Mild
	SOA-No Mass	Inflammation	Suppurative, Mild
Note: EXUDATE	TGLs = 1-21		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5714

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 734

**DOSE:** 100 UL RAT LM

**DISP:** Terminal Sacrifice

**HISTO:** 853148

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Mild
Testes	Seminif Tub	Atrophy	Moderate
		Polyarteritis	Moderate
Note: ATROPHY	TGLs = 3-9		
Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5715

TRT#: 3

SEX: Male

DAY ON TEST: 559

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Preputial Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 4-4,4-20,5-4,5-20			
Liver		Angiectasis	Mild
	Bile Duct	Hyperplasia	Mild
Note: ANGIECTASIS TGLs = 6-22			
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Minimal
Parathyroid Gland		Hypertrophy	Moderate
Note: [ HYPERTROPHY ] TGLs = 7-13			
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY TGLs = 3-11			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5715

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 559

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853149

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Moderate
Testes	Seminif Tub	Atrophy	Moderate

Note: ATROPHY      TGLs = 2-9

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5716

TRT#: 3

SEX: Male

DAY ON TEST: 553

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
	Cortex	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Hypoplasia	Mild
Brain		Compression	
Note: COMPRESSION TGLs = 6-1			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Degeneration	Fatty, Minimal
Lung		Congestion	Moderate
		Inflammation	Chronic, Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 3-14			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-1			
Prostate		Inflammation	Chronic, Moderate
Seminal Vesicle		Depletion Cellular	Marked
Note: DEPLETION TGLs = 4-11			
Skin		Keratoacanthoma	
Note: KERATOACANTHOMA TGLs = 2-22			
Spleen		Fibrosis	Moderate
		Pigmentation	Hemosiderin, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5716

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 553

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853150

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: FIBROSIS TGLs = 5-20

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5717

TRT#: 3

SEX: Male

DAY ON TEST: 665

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mesentery	Nose	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Degeneration Hyperplasia	Fatty, Focal, Moderate Focal, Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Degeneration	Focal, Moderate
Eye		Cataract	Moderate
Note: CATARACT TGLs = 6-21			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia Nephropathy	Moderate Marked
Note: NEPHROPATHY TGLs = 5-4			
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion Inflammation	Mild Acute, Moderate
Note: CONGESTION TGLs = 9-2			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 2-14			
Pancreas	Interlobular	Inflammation	Chronic, Moderate
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5717	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 665
	<b>DOSE:</b> 100 UL RAT LM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853151

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Seminal Vesicle		Depletion Cellular	Moderate
Skin	Other	Fibroma	
Note: FIBROMA	TGLs = 1-22		
Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Hemosiderin, Mild
Note: HEMA CELL PROL	TGLs = 7-6		
Note: PIGMENT	TGLs = 7-6		
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Moderate
	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Ulcer	Marked
Note: ULCER	TGLs = 4-7		
Testes	Seminif Tub	Atrophy	Mild
Note: ATROPHY	TGLs = 3-9		
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5718

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Compression	
Note: COMPRESSION	TGLs = 12-1		
Coagulating Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 3-21		
Epididymis		Degeneration	Focal, Mild
		Fibrosis	Moderate
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
	Antr Chamber	Inflammation	Suppurative, Moderate
Note: CATARACT	TGLs = 14-20		
Note: INFLAMMATION	TGLs = 14-20		
Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
Note: THROMBUS	TGLs = 11-12		
Kidney	Epithelium, Pelvis	Hyperplasia	Moderate
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 8-4		
Liver	Bile Duct	Hyperplasia	Mild
		Necrosis	Mild
Lung		Inflammation	Chronic, Marked

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5718

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853152

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INFLAMMATION	TGLs = 10-2			
Mammary Gland			Lactation	
Note: [ LACTATION ]	TGLs = 1-14			
Parathyroid Gland			Hypertrophy	Mild
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 13-1			
Preputial Gland			Fibrosis	Mild
Prostate			Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 5-10			
Seminal Vesicle			Depletion Cellular	Marked
Note: DEPLETION	TGLs = 4-11			
Spleen			Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 6-6			
Testes		Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 2-9			
Thyroid Gland		C Cell	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 9-13			
Tooth			Inflammation	Suppurative, Marked
PRIMARY CAUSE OF DEATH	-			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5719

TRT#: 3

SEX: Male

DAY ON TEST: 556

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853153

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Spleen
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Epididymis                      Thymus

**OBSERVATIONS**

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Hypoplasia	Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT      TGLs = 1-20			
Heart		Cardiomyopathy	Minimal
Intestine Small	Duodenum, Mucosa	Erosion	Focal, Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY      TGLs = 4-4			
Liver	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Granuloma	Moderate
Note: GRANULOMA      TGLs = 3-21			
Nose		Fibrosis	Focal, Minimal
		Fungus	
Pancreas	Acinus	Atrophy	Mild
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY      TGLs = 5-13			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5719

TRT#: 3

SEX: Male

DAY ON TEST: 556

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853153

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-1			
Preputial Gland			Fibrosis	Minimal
Prostate			Inflammation	Suppurative, Moderate
Seminal Vesicle			Atrophy	Moderate
Note: ATROPHY	TGLs = 2-11			
Stomach		Forestomach	Acanthosis	Marked
		Forestomach	Edema	Marked
		Forestomach	Hyperkeratosis	Marked
		Forestomach, Serosa	Inflammation	Proliferative, Marked
		Forestomach	Ulcer	Marked
Note: INFLAMMATION	TGLs = 8-22			
Note: ULCER	TGLs = 8-22			
Testes		Seminif Tub	Atrophy	Mild
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5720

TRT#: 3

SEX: Male

DAY ON TEST: 704

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Ear		Papilloma	
Note: PAPILLOMA	TGLs = 3-21		
Epididymis		Degeneration	Focal, Minimal
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 5-4		
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5721

TRT#: 3

SEX: Male

DAY ON TEST: 601

DOSE: 100 UL RAT LM

DISP: Natural Death

HISTO: 853155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Preputial Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood Vessel		Degeneration	Mild
Note: DEGEN TGLs = 8-20			
Bone		Fibrous Osteodystrophy	
		Fibrous Osteodystrophy	Mild
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 5-4,6-4			
Liver	Bile Duct	Hyperplasia	Minimal
Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Moderate
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY TGLs = 7-13			
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Depletion Cellular	Moderate
		Inflammation	Suppurative, Moderate
Note: DEPLETION TGLs = 3-11			
Testes	Seminif Tub	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5721

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 601

**DOSE:** 100 UL RAT LM

**DISP:** Natural Death

**HISTO:** 853155

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ATROPHY      TGLs = 2-9

Thymus

Depletion Lymphoid

Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5722

TRT#: 3

SEX: Male

DAY ON TEST: 486

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Hypoplasia	Mild
Epididymis		Degeneration	Focal, Moderate
Eye		Cataract	Mild
Note: CATARACT TGLs = 1-14			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver	Peripheral	Degeneration	Fatty, Marked
	Bile Duct	Hepatodiaphragmatic Nodule	
Note: HDN TGLs = 5-4			
Note: DEGEN TGLs = 4-4			
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 8-1			
Preputial Gland		Fibrosis	Mild
		Inflammation	Chronic, Moderate
Seminal Vesicle		Depletion Cellular	Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5722

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 486

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853156

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: DEPLETION      TGLs = 6-6

Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Ulcer	Mild

Note: ULCER      TGLs = 9-5

Testes	Seminif Tub	Atrophy	Moderate
	Seminif Tub	Degeneration	Mild

Note: ATROPHY      TGLs = 7-6

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5723

TRT#: 3

SEX: Male

DAY ON TEST: 718

DOSE: 100 UL RAT LM

DISP: Natural Death

HISTO: 853157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Small - Duodenum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Degeneration	Focal, Marked
		Fibrosis	Moderate
Note: FIBROSIS	TGLs = 4-9		
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	
Note: THROMBUS	TGLs = 11-20		
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5723

TRT#: 3

SEX: Male

DAY ON TEST: 718

DOSE: 100 UL RAT LM

DISP: Natural Death

HISTO: 853157

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC	TGLs = 8-5,9-5			
Lung			Inflammation	Chronic, Marked
			Leukemia Mononuclear	
Note: INFLAMMATION	TGLs = 13-2			
Lymph Node		Mediastinal	Angiectasis	Moderate
		Mesenteric	Angiectasis	Moderate
		Mesenteric	Leukemia Mononuclear	
Note: ANGIECTASIS	TGLs = 10-12			
Note: ANGIECTASIS	TGLs = 15-8			
Pancreas		Acinus	Atrophy	Mild
Parathyroid Gland			Hypertrophy	Mild
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 14-1			
Preputial Gland			Fibrosis	Moderate
Prostate			Inflammation	Suppurative, Marked
Seminal Vesicle			Depletion Cellular	Moderate
Note: DEPLETION	TGLs = 2-11			
Spleen		Capsule	Hyperplasia	Moderate
			Leukemia Mononuclear	
Note: HYPERPLASIA	TGLs = 7-6			
Note: [ LEUKEMIA MONUC ]	TGLs = 5-6			
Testes		Seminif Tub	Atrophy	Mild
Note: ATROPHY	TGLs = 3-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5724

TRT#: 3

SEX: Male

DAY ON TEST: 543

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Moderate
	Cortex	Degeneration	Fatty, Focal, Minimal
	Medulla	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Degeneration	Focal, Moderate
Eye		Cataract	Moderate
Note: CATARACT	TGLs = 9-22		
Heart		Cardiomyopathy	Minimal
Kidney	Pelvis	Dilatation	Mild
		Nephropathy	Marked
Note: [ DILATATION ] TGLs = 8-4			
Note: NEPHROPATHY TGLs = 7-4			
Lung		Congestion	Minimal
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-14		
Note: LACTATION	TGLs = 1-10		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 10-1		
Prostate		Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5724	<b>TRT#:</b> 3 <b>DOSE:</b> 100 UL RAT LM	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 543 <b>HISTO:</b> 853158
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Seminal Vesicle Note: ATROPHY TGLs = 3-11		Atrophy	Moderate
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Ulcer	Marked
Note: ULCER TGLs = 4-20,6-20 Note: ACANTHOSIS TGLs = 5-5,5-20			
Testes Note: ATROPHY TGLs = 2-9	Seminif Tub	Atrophy	Moderate

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5725

TRT#: 3

SEX: Male

DAY ON TEST: 584

DOSE: 100 UL RAT LM

DISP: Natural Death

HISTO: 853159

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Islets, Pancreatic  
Pancreas  
Skin - Control  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Lymph Node - Mandibular  
Preputial Gland  
Spleen  
Thymus

Bone  
Esophagus  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Intestine Small - Jejunum  
Nose  
Seminal Vesicle  
Stomach - Glandular  
Trachea

**MISSING**

Parathyroid Gland

Pituitary Gland

**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum  
Intestine Small - Ileum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

**OBSERVATIONS**

Eye  
Note: CATARACT TGLs = 5-22

Cataract Mild

Heart  
Kidney  
Liver

Cardiomyopathy Mild  
Nephropathy Mild  
Degeneration Fatty, Mild

Lung  
Note: CONGESTION TGLs = 4-3

Bile Duct Mild  
Congestion Moderate

Mammary Gland  
Prostate  
Skin

Hyperplasia Moderate  
Inflammation Suppurative, Moderate

SOA-No Mass Minimal  
SOA-No Mass Minimal

Acanthosis  
Proliferation Connective Tissue

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5726

TRT#: 3

SEX: Male

DAY ON TEST: 591

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skin - Control
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Epididymis		Degeneration	Focal, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 2-30			
Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 12-5			
Lung		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

<b>ANIMAL ID:</b> 5726	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 591
	<b>DOSE:</b> 100 UL RAT LM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853160

ORGAN AND ACCOUNTABLE SITE STATUS

Renal		Leukemia Mononuclear Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 14-26		
Note: [ LEUKEMIA MONUC ]	TGLs = 6-20		
Note: [ LEUKEMIA MONUC ]	TGLs = 5-21		
Note: BRACHIAL L.N. NOT IN CODE BOOK - NO TGL			
Note: LEUKEMIA MONUC	TGLs = 11-32		
Note: LEUKEMIA MONUC	TGLs = 8-23		
Note: LEUKEMIA MONUC	TGLs = 5-20,5-24		
Note: LEUKEMIA MONUC	TGLs = 13-24,13-25		
Note: LEUKEMIA MONUC	TGLs = 9-28		
Note: LEUKEMIA MONUC	TGLs = 3-27		
Nose		Foreign Body Inflammation	Mild Suppurative, Mild
	Nasolacrim Dct	Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Pituitary Gland		Adenoma	
	Pars Distalis	Leukemia Mononuclear	
Preputial Gland		Fibrosis	Mild
		Inflammation	Chronic, Mild
Prostate		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
Skin		Acanthosis	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-6		
Thymus		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 16-12		
Tissue NOS		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	
SOA-No Mass			
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5727

TRT#: 3

SEX: Male

DAY ON TEST: 692

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Focal, Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Fibrosis	Moderate
Eye	Retina	Atrophy	Mild
		Cataract	Mild
	Cornea	Inflammation	Mild
Note: [ CATARACT ] TGLs = 10-20			
Note: INFLAMMATION TGLs = 10-20			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Moderate
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 6-4,7-4			
Liver	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Chronic, Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 1-14			
Nose		Inflammation	Chronic, Mild
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 9-1			
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5727	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 692
	<b>DOSE:</b> 100 UL RAT LM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853161

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: INFLAMMATION	TGLs = 2-10		
Seminal Vesicle		Depletion Cellular Inflammation	Marked Suppurative, Mild
Note: DEPLETION	TGLs = 4-11		
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
Testes	Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 3-9		
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5728

TRT#: 3

SEX: Male

DAY ON TEST: 519

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Epididymis		Degeneration	Focal, Mild
Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
Note: THROMBUS	TGLs = 7-12		
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: DEGEN	TGLs = 6-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-1		
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 4-11		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5728

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 519

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853162

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Spleen

Fibrosis

Mild

Infarct

Moderate

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 1-6

Note: INFARCT TGLs = 2-20,3-21

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5729

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 UL RAT LM

DISP: Terminal Sacrifice

HISTO: 853163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Prostate
Salivary Glands	Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Degeneration	Focal, Marked
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		Hemorrhage	Moderate
Note: CATARACT TGLs = 2-21			
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 7-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY TGLs = 8-13			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Note: HYPERPLASIA TGLs = 9-1			
Preputial Gland		Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5729	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> 100 UL RAT LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 853163

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 3-10			
Skin		SOA-Mass	Adenoma	
Note: ADENOMA	TGLs = 1-22			
Spleen			Leukemia Mononuclear	
Stomach		Glandular, Mucosa	Degeneration	Mild
Testes		Seminif Tub	Atrophy	Mild
Note: ATROPHY	TGLs = 5-9			
Zymbal's Gland			Abscess	Marked
Note: ABSCESS	TGLs = 10-20			

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5730

TRT#: 3

SEX: Male

DAY ON TEST: 559

DOSE: 100 UL RAT LM

DISP: Natural Death

HISTO: 853164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Esophagus	Heart	Intestine Small - Duodenum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Bone	Bone Marrow	Preputial Gland
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AUTO PRECLUDES DIAG.

Epididymis	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Compression	
Eye		Cataract	Moderate
	Cornea	Inflammation	Moderate
Note: INFLAMMATION TGLs = 5-20			
Note: CATARACT TGLs = 5-20			
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Focal, Minimal
		Congestion	Moderate
Note: CONGESTION TGLs = 2-2			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 1-14			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			
Prostate		Inflammation	Suppurative, Mild
Testes	Seminif Tub	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5730

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 559

**DOSE:** 100 UL RAT LM

**DISP:** Natural Death

**HISTO:** 853164

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5731

TRT#: 3

SEX: Male

DAY ON TEST: 542

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853165

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Eye		Cataract	Mild
Note: CATARACT	TGLs = 1-20		
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 3-4,4-4		
Liver		Inflammation	Chronic, Focal, Moderate
Lung		Inflammation	Chronic, Minimal
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5732

TRT#: 3

SEX: Male

DAY ON TEST: 716

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 9-4	Medulla	Pheochromocytoma Benign	
Blood Vessel Note: DEGEN TGLs = 13-20		Degeneration	Mild
Bone		Fibrous Osteodystrophy	
Eye  Note: INFLAMMATION TGLs = 1-21 Note: CATARACT TGLs = 1-21	Retina	Atrophy	Mild
	Cornea	Cataract	Moderate
		Inflammation	Moderate
Heart Note: CARDIOMYOPATHY TGLs = 15-12		Cardiomyopathy	Marked
Islets, Pancreatic Note: CARCINOMA TGLs = 8-6		Carcinoma	
Kidney  Note: NEPHROPATHY TGLs = 11-4,10-4	Epithelium, Pelvis	Hyperplasia	Moderate
		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Chronic, Moderate
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Nose		Fungus	
Pancreas	Acinus	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5732

TRT#: 3

SEX: Male

DAY ON TEST: 716

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853166

**ORGAN AND ACCOUNTABLE SITE STATUS**

Parathyroid Gland			Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 14-13			
Penis			Inflammation	Acute, Marked
Note: INFLAMMATION	TGLs = 2-22			
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 16-1			
Preputial Gland			Fibrosis	Mild
Seminal Vesicle			Atrophy	Mild
Note: ATROPHY	TGLs = 3-11			
Spleen			Pigmentation	Hemosiderin, Moderate
Stomach		Muscularis	Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 12-7			
Testes		Interstit Cell	Adenoma	
		Seminif Tub	Atrophy	Marked
Note: ATROPHY	TGLs = 4-9			
Note: ADENOMA	TGLs = 6-9			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5733

TRT#: 3

SEX: Male

DAY ON TEST: 490

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Moderate
	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Hyperostosis	
Note: HYPEROSTOSIS TGLs = 7-14			
Epididymis		Degeneration	Focal, Mild
Heart		Leukemia Mononuclear	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-4,6-4			
Lung		Leukemia Mononuclear	
Nose		Foreign Body	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 3-6			
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5733

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 490

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853167

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 4-4

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5734

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Marked
		Fibrosis	Mild
Note: FIBROSIS	TGLs = 5-9		
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 2-20		
Heart	Myocardium	Cardiomyopathy	Moderate
		Necrosis	Focal, Moderate
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 6-4		
Liver		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Moderate
Note: CONGESTION	TGLs = 7-2		
Mammary Gland		Lactation	
Nose		Inflammation	Suppurative, Mild
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 9-1		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5734

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853168

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland		Fibrosis	Moderate
Prostate		Inflammation	Suppurative, Marked
Seminal Vesicle		Depletion Cellular	Marked
Note: DEPLETION	TGLs = 3-11		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
	Glandular, Mucosa	Erosion	Focal, Moderate
	Forestomach	Hyperkeratosis	Moderate
Testes	Seminif Tub	Degeneration	Moderate
		Polyarteritis	Moderate
Note: DEGEN	TGLs = 4-9		
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5735

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 UL RAT LM

DISP: Terminal Sacrifice

HISTO: 853169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Prostate	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Epididymis		Degeneration	Focal, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 4-4		
Liver		Inflammation	Chronic, Focal, Minimal
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-1		
Preputial Gland		Fibrosis	Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5736

TRT#: 3

SEX: Male

DAY ON TEST: 718

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Prostate	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood Vessel		Degeneration	Moderate
Note: DEGEN	TGLs = 9-20		
Bone		Fibrous Osteodystrophy	
Epididymis		Fibrosis	Mild
Note: FIBROSIS	TGLs = 4-9		
Esophagus		Hyperkeratosis	Mild
Eye		Cataract	Moderate
	Cornea	Inflammation	Mild
Note: CATARACT	TGLs = 2-21		
Note: INFLAMMATION	TGLs = 2-21		
Heart		Cardiomyopathy	Moderate
Note: CARDIOMYOPATHY	TGLs = 10-12		
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 6-4,7-4		
Liver	Bile Duct	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5736

TRT#: 3

SEX: Male

DAY ON TEST: 718

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853170

ORGAN AND ACCOUNTABLE SITE STATUS

Lung		Congestion	Moderate
		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Moderate
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Marked
Note: HYPERTROPHY	TGLs = 11-13		
Pituitary Gland		Adenoma	
Note: ADENOMA	TGLs = 8-1		
Pars Distalis			
Preputial Gland		Fibrosis	Moderate
Seminal Vesicle		Depletion Cellular	Moderate
Note: DEPLETION	TGLs = 5-11		
Stomach		Degeneration	Moderate
		Muscularis	Focal, Mild
Note: NECROSIS	TGLs = 12-7		
Testes		Degeneration	Marked
		Polyarteritis	Moderate
Note: DEGEN	TGLs = 3-9		
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5737

TRT#: 3

SEX: Male

DAY ON TEST: 560

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Salivary Glands	Skin - Site of Application-No Mass
Spleen	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Preputial Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Esophagus		Hyperkeratosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 6-20		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 4-4		
Liver	Bile Duct	Hyperplasia	Mild
Lung		Atelectasis	Moderate
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 5-13		
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 2-11		
Skin	Control	Cyst Epithelial Inclusion	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5737

TRT#: 3

SEX: Male

DAY ON TEST: 560

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853171

**ORGAN AND ACCOUNTABLE SITE STATUS**

Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Edema	Moderate
	Forestomach	Hyperkeratosis	Marked
	Forestomach	Squamous Cell Papilloma	
	Forestomach	Ulcer	Marked
Testes	Seminif Tub	Degeneration	Moderate

Note: [ DEGEN ] TGLs = 1-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5738

TRT#: 3

SEX: Male

DAY ON TEST: 597

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin - Control	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 11-22		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Degeneration	Fatty, Moderate
Note: DEGEN	TGLs = 8-5		
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 9-3		
Mammary Gland		Fibroadenoma	
		Lactation	
		Sarcoma	
Note: SARCOMA	TGLs = 3-21		
Note: LACTATION	TGLs = 2-14		
Note: FIBROADENOMA	TGLs = 4-23		
Mesentery	Fat	Granuloma	Mild
Note: GRANULOMA	TGLs = 5-24		
Pancreas	Acinus	Atrophy	Mild
Penis		Inflammation	Acute, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5738	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 597
	<b>DOSE:</b> 100 UL RAT LM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853172

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: INFLAMMATION	TGLs = 1-20			
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 10-1			
Skin		SOA-No Mass	Acanthosis	Mild
Testes		Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 6-9			
PRIMARY CAUSE OF DEATH		-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5739

TRT#: 3

SEX: Male

DAY ON TEST: 528

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853173

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Stomach - Fore stomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Esophagus		Hyperkeratosis	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Lung		Inflammation	Chronic, Moderate
Pharynx		Papilloma	
Note: PAPILLOMA	TGLs = 1-20		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Preputial Gland		Abscess	Acute, Mild
		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Marked
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5740

TRT#: 3

SEX: Male

DAY ON TEST: 652

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Hyperplasia	Focal, Mild
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 6-20		
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 4-4		
Liver	Bile Duct	Degeneration	Cystic, Focal, Mild
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-5		
Lung		Congestion	Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 7-1		
Preputial Gland		Fibrosis	Mild

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5740

TRT#: 3

SEX: Male

DAY ON TEST: 652

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853174

ORGAN AND ACCOUNTABLE SITE STATUS

Seminal Vesicle

Spleen

Note: LEUKEMIA MONUC TGLs = 2-6

Stomach

Testes

Thyroid Gland

Note: CARCINOMA TGLs = 5-13

Forestomach

Forestomach

Forestomach

Forestomach

Seminif Tub

C Cell

Inflammation

Depletion Cellular

Leukemia Mononuclear

Acanthosis

Edema

Hyperkeratosis

Ulcer

Atrophy

Carcinoma

Chronic, Mild

Moderate

Marked

Moderate

Marked

Marked

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5741

TRT#: 3

SEX: Male

DAY ON TEST: 654

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric	Salivary Glands
Skin - Control	Spleen	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Cytoplasmic Alteration Pheochromocytoma Benign	Focal, Mild Multiple
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Epididymis		Fibrous Osteodystrophy Degeneration	Focal, Marked
Eye	Retina	Fibrosis Atrophy Cataract	Moderate Marked Moderate
Note: CATARACT TGLs = 1-20			
Heart Islets, Pancreatic		Cardiomyopathy Adenoma	Mild
Kidney	Pelvis Epithelium, Pelvis	Dilatation Hyperplasia Nephropathy	Moderate Moderate Marked
Note: [ NEPHROPATHY ] TGLs = 4-4,5-4			
Liver Lung	Bile Duct	Hyperplasia Inflammation	Mild Chronic, Moderate
Mammary Gland Nose		Lactation Fungus	
Pancreas	Acinus	Atrophy	Mild Moderate
Parathyroid Gland		Hypertrophy	Marked
Note: HYPERTROPHY TGLs = 7-13			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

**ANIMAL ID:** 5741

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 654

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853175

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-1			
Preputial Gland			Fibrosis	Mild
Prostate			Inflammation	Suppurative, Moderate
Seminal Vesicle			Depletion Cellular	Moderate
Note: DEPLETION	TGLs = 2-11			
Skin		SOA-No Mass	Acanthosis	Minimal
Stomach		Forestomach	Acanthosis	Mild
		Forestomach	Hyperkeratosis	Mild
Testes		Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 3-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5742

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 UL RAT LM

DISP: Terminal Sacrifice

HISTO: 853176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Degeneration	Fatty, Focal, Moderate
	Cortex	Degeneration	Moderate
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye		Cataract	Moderate
Note: CATARACT	TGLs = 5-20		
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Adenoma	Multiple
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 4-4		
Liver	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Focal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5742

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 734

**DOSE:** 100 UL RAT LM

**DISP:** Terminal Sacrifice

**HISTO:** 853176

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen

Fibrosis

Moderate

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-6

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5743

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Preputial Gland	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Spleen	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Brain		Infarct	Moderate
Note: INFARCT TGLs = 8-1			
Epididymis		Degeneration	Focal, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 4-4,5-4			
Liver	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 6-14			
Parathyroid Gland		Hypertrophy	Mild
Note: HYPERTROPHY TGLs = 7-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 9-1			
Seminal Vesicle		Depletion Cellular	Moderate
Note: DEPLETION TGLs = 2-11			
Stomach	Forestomach	Acanthosis	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5743	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 639
	<b>DOSE:</b> 100 UL RAT LM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853177

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	Forestomach	Edema	Marked
	Forestomach	Hyperkeratosis	Marked
	Forestomach	Ulcer	Marked
Note: ULCER      TGLs = 10-7			
Testes	Seminif Tub	Atrophy	Minimal
Note: ATROPHY      TGLs = 3-9			

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PRIMARY CAUSE OF DEATH      -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5744

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Marked
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 5-20		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Moderate
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 4-4		
Liver	Bile Duct	Hyperplasia	Mild
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Preputial Gland		Fibrosis	Mild
		Inflammation	Chronic, Moderate
Seminal Vesicle		Atrophy	Moderate
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Marked
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ATROPHY	TGLs = 2-9		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5744

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 701

**DOSE:** 100 UL RAT LM

**DISP:** Moribund Sacrifice

**HISTO:** 853178

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

Follicular Cel

Carcinoma

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5745

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hypoplasia	Mild
Brain		Compression	
Note: COMPRESSION TGLs = 8-1			
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 3-20			
Heart		Cardiomyopathy	Moderate
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 10-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Minimal
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 9-1			
Skin			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5745

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853179

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FACE SKIN LESION OF ZYMBALS GLAND ORIGIN				
Spleen		Capsule	Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 7-6				
Stomach		Forestomach	Acanthosis	Moderate
		Forestomach	Edema	Moderate
		Forestomach	Hyperkeratosis	Moderate
		Forestomach	Ulcer	Marked
Note: ULCER TGLs = 11-7,12-7				
Testes		Seminif Tub	Atrophy	Mild
Note: ATROPHY TGLs = 5-9				
Thyroid Gland		C Cell	Hyperplasia	Mild
Zymbal's Gland			Abscess	Marked
Note: ABSCESS TGLs = 2-21				
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5746

TRT#: 3

SEX: Male

DAY ON TEST: 640

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Preputial Gland	Skin - Control
Skin - Site of Application-No Mass	Spleen	Stomach - Glandular	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Bone		Fibrous Osteodystrophy	
Bone Marrow		Hypoplasia	Mild
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 5-4		
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 7-14		
Nose		Inflammation	Chronic, Mild
Parathyroid Gland		Hypertrophy	Mild
Note: HYPERTROPHY	TGLs = 8-13		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 9-1		
Prostate		Inflammation	Suppurative, Moderate
Salivary Glands		Fibrosarcoma	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5746

TRT#: 3

SEX: Male

DAY ON TEST: 640

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853180

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: FIBROSARC	TGLs = 6-22			
Seminal Vesicle			Depletion Cellular	Marked
Note: DEPLETION	TGLs = 2-11			
Stomach		Forestomach	Acanthosis	Marked
		Forestomach	Edema	Moderate
		Forestomach	Hyperkeratosis	Marked
		Forestomach, Serosa	Inflammation	Suppurative, Marked
		Forestomach	Ulcer	Moderate
Note: INFLAMMATION	TGLs = 11-23,11-24			
Note: ULCER	TGLs = 10-23			
Testes		Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 3-9			
Thymus			Hyperplasia	Pseudoepithel, Mild
Thyroid Gland		C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5747

TRT#: 3

SEX: Male

DAY ON TEST: 654

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Salivary Glands	Skin - Control	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Esophagus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Hypoplasia	Mild
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 4-4			
Liver		Degeneration	Cystic, Focal, Mild
		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Minimal
Lung		Congestion	Mild
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Moderate
Parathyroid Gland		Hypertrophy	Mild
Note: HYPERTROPHY TGLs = 5-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-1			
Preputial Gland		Fibrosis	Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5747

TRT#: 3

SEX: Male

DAY ON TEST: 654

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853181

**ORGAN AND ACCOUNTABLE SITE STATUS**

Prostate		Inflammation	Suppurative, Mild
Seminal Vesicle		Depletion Cellular	Moderate
Note: DEPLETION	TGLs = 2-11		
Skin	SOA-No Mass	Acanthosis	Mild
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Marked
	Forestomach	Ulcer	Moderate
Note: ULCER	TGLs = 7-7		
Testes	Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 3-9		
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5748

TRT#: 3

SEX: Male

DAY ON TEST: 640

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Nose	Pancreas	Preputial Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
		Hemorrhage	Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 6-4			
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Lymph Node	Mesenteric	Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 9-8			
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY TGLs = 7-13			
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5748	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 640
	<b>DOSE:</b> 100 UL RAT LM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853182

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 8-1		Cyst	
Prostate			Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 4-10			
Seminal Vesicle			Depletion Cellular Inflammation	Moderate Suppurative, Moderate
Note: DEPLETION	TGLs = 3-11			
Spleen			Fibrosis Pigmentation	Mild Hemosiderin, Mild
Note: FIBROSIS	TGLs = 5-21			
Stomach		Forestomach Forestomach Forestomach	Acanthosis Hyperkeratosis Ulcer	Moderate Moderate Moderate
Testes		Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 2-9			
PRIMARY CAUSE OF DEATH	-			

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5749

TRT#: 3

SEX: Male

DAY ON TEST: 668

DOSE: 100 UL RAT LM

DISP: Moribund Sacrifice

HISTO: 853183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mesenteric	Pancreas	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Degeneration Hyperplasia	Fatty, Focal, Mild Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
Eye	Retina	Atrophy Cataract	Moderate Moderate
Note: CATARACT TGLs = 2-20			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Pelvis	Hyperplasia Nephropathy	Mild Marked
Note: NEPHROPATHY TGLs = 6-4,7-4			
Liver	Bile Duct	Hyperplasia	Mild
Lung		Carcinoma	Metastatic (Uncertain Primary Site)
Lymph Node	Mediastinal Mandibular	Carcinoma Hyperplasia	Metastatic (Uncertain Primary Site) Marked
Note: HYPERPLASIA TGLs = 8-13			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 9-14			
Nose		Carcinoma	Metastatic (Uncertain Primary Site)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5749	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 668
	<b>DOSE:</b> 100 UL RAT LM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853183

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Parathyroid Gland Note: HYPERTROPHY TGLs = 10-13		Hypertrophy	Moderate
Seminal Vesicle Note: DEPLETION TGLs = 5-11		Depletion Cellular	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular, Mucosa	Degeneration	Moderate
Testes Note: HYPOPLASIA TGLs = 4-9		Hypoplasia	Mild
Zymbal's Gland Note: CARCINOMA TGLs = 1-21,18,19		Carcinoma	

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**PRIMARY CAUSE OF DEATH** -

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Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5810

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 300 UL RAT HM

DISP: Scheduled Sacrifice

HISTO: 853244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Nose		Fungus	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

**ANIMAL ID:** 5811

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 300 UL RAT HM

**DISP:** Scheduled Sacrifice

**HISTO:** 853245

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Lung  
Parathyroid Gland  
Seminal Vesicle  
Thymus

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Preputial Gland  
Skin - Control  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Prostate  
Stomach - Forestomach  
Trachea

**OBSERVATIONS**

Heart  
Kidney  
Liver

Bile Duct

Nose  
Pancreas  
Pituitary Gland  
Skin  
Spleen  
Testes

Acinus  
Pars Distalis  
SOA-No Mass  
Unilateral

Cardiomyopathy  
Nephropathy  
Hyperplasia  
Inflammation  
Infiltration Cellular  
Atrophy  
Hyperplasia  
Acanthosis  
Pigmentation  
Atrophy

Mild  
Moderate  
Mild  
Granulomatous, Focal, Mild  
Mixed Cell, Moderate  
Moderate  
Focal, Minimal  
Minimal  
Hemosiderin, Mild  
Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5812

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 300 UL RAT HM

DISP: Scheduled Sacrifice

HISTO: 853246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Preputial Gland  
Skin - Control  
Thymus

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Lung  
Nose  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Seminal Vesicle  
Testes  
Urinary Bladder

OBSERVATIONS

Heart  
Kidney  
Liver

Bile Duct  
Pars Distalis  
Pars Distalis  
SOA-No Mass

Pituitary Gland  
  
Skin  
Spleen

Cardiomyopathy  
Nephropathy  
Degeneration  
Hyperplasia  
Adenoma  
Hyperplasia  
Acanthosis  
Pigmentation

Minimal  
Moderate  
Cystic, Focal, Mild  
Mild  
  
Focal, Minimal  
Minimal  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5813

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 300 UL RAT HM

DISP: Scheduled Sacrifice

HISTO: 853247

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Pigmentation	Hemosiderin, Minimal
Tissue NOS		Hemorrhage	Moderate
		Inflammation	Proliferative, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

**ANIMAL ID:** 5814

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 456

**DOSE:** 300 UL RAT HM

**DISP:** Scheduled Sacrifice

**HISTO:** 853248

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Granulomatous, Focal, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Pigmentation	Hemosiderin, Mild
Testes	Unilateral	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5815

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 300 UL RAT HM

DISP: Scheduled Sacrifice

HISTO: 853249

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Mammary Gland		Hyperplasia	Cystic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5816

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 300 UL RAT HM

DISP: Scheduled Sacrifice

HISTO: 853250

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin - Control	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Minimal
Nose	Nasolacrim Dct	Exudate	Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5817

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 300 UL RAT HM

DISP: Scheduled Sacrifice

HISTO: 853251

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Nose		Fungus	Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5818

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 300 UL RAT HM

DISP: Scheduled Sacrifice

HISTO: 853252

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Pituitary Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Lung  
Nose  
Preputial Gland  
Skin - Control  
Testes  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Prostate  
Skin - Site of Application-No Mass  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

**OBSERVATIONS**

Heart  
Kidney  
Liver

Bile Duct

Spleen

Cardiomyopathy  
Nephropathy  
Degeneration  
Hyperplasia  
Inflammation  
Pigmentation

Moderate  
Moderate  
Fatty, Focal, Mild  
Minimal  
Granulomatous, Focal, Mild  
Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5819

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 413

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853253

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**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Minimal
Seminal Vesicle		Depletion Cellular	Marked
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Squamous Cell Papilloma	

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5820

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Spleen
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Compression	
		Hemorrhage	Moderate
Note: COMPRESSION TGLs = 6-1			
Ear		Papilloma	
Note: PAPILLOMA TGLs = 2-21			
Eye		Cataract	Moderate
	Antr Chamber	Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 5-20			
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Minimal
Lung		Congestion	Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 4-14			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5820	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 645
	<b>DOSE:</b> 300 UL RAT HM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853254

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Preputial Gland		Ectasia	Mild
Note: ECTASIA	TGLs = 3-10		
Prostate		Inflammation	Suppurative, Moderate
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5821

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Epididymis		Degeneration	Focal, Moderate
Esophagus		Hyperkeratosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 9-20		
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Edema	Moderate
	Colon	Ulcer	Marked
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 5-4		
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Nose		Inflammation	Suppurative, Mild
Parathyroid Gland		Carcinoma	Metastatic (Uncertain Primary Site)
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5821

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 667

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853255

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: HEMORRHAGE	TGLs = 8-1	Hemorrhage	Marked
Note: ADENOMA	TGLs = 7-1		
Preputial Gland		Fibrosis	Moderate
Prostate		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 1-10		
Spleen		Congestion	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-6		
Stomach		Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
Testes	Seminif Tub	Atrophy	Minimal
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA	TGLs = 6-13		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5822

TRT#: 5

SEX: Male

DAY ON TEST: 437

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853256

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Preputial Gland  
Stomach - Forestomach  
Trachea

Bone  
Islets, Pancreatic  
Salivary Glands  
Stomach - Glandular

Brain  
Pancreas  
Seminal Vesicle  
Testes

Epididymis  
Parathyroid Gland  
Skin - Control  
Thyroid Gland

**MISSING**

Adrenal Gland - Medulla

Mammary Gland

Nose

Pituitary Gland

**AUTO PRECLUDES DIAG.**

Bone Marrow  
Intestine Small - Duodenum  
Lymph Node - Mesenteric

Intestine Large - Cecum  
Intestine Small - Ileum  
Thymus

Intestine Large - Colon  
Intestine Small - Jejunum  
Urinary Bladder

Intestine Large - Rectum  
Lymph Node - Mandibular

**OBSERVATIONS**

Heart  
Kidney  
Liver  
Lung  
Prostate  
Skin  
Spleen

SOA-No Mass

Cardiomyopathy  
Nephropathy  
Leukemia Mononuclear  
Leukemia Mononuclear  
Inflammation  
Acanthosis  
Leukemia Mononuclear

Moderate  
Mild  
Suppurative, Moderate  
Minimal

Note: LEUKEMIA MONUC TGLs = 1-4

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5823

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 300 UL RAT HM

DISP: Terminal Sacrifice

HISTO: 853257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Penis
Prostate	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone		Fibrous Osteodystrophy	
Ear		Papilloma	
Note: PAPHILOMA	TGLs = 11-23		
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Moderate
Note: FIBROSIS	TGLs = 6-9		
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 8-4		
Liver		Degeneration	Cystic, Focal, Mild
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 10-13		
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5823

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** 300 UL RAT HM

**DISP:** Terminal Sacrifice

**HISTO:** 853257

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: ADENOMA Preputial Gland	TGLs = 12-1		Fibrosis Inflammation	Mild Chronic, Mild
Seminal Vesicle Note: ATROPHY	TGLs = 5-11		Atrophy	Moderate
Spleen			Hematopoietic Cell Proliferation	Moderate
Stomach		Glandular, Mucosa	Degeneration	Moderate
Testes		Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: [ ATROPHY ] Thymus	TGLs = 4-9		Depletion Lymphoid	Moderate
PRIMARY CAUSE OF DEATH	-			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5824

TRT#: 5

SEX: Male

DAY ON TEST: 559

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea		

MISSING

Mammary Gland	Preputial Gland	Prostate	Seminal Vesicle
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Note: CATARACT	TGLs = 5-20		
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Congestion	Mild
		Leukemia Mononuclear	
Note: CONGESTION	TGLs = 4-2		
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Note: ADENOMA	TGLs = 6-1		
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5824

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 559

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853258

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ LEUKEMIA MONUC ] TGLs = 3-6

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5825

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 300 UL RAT HM

DISP: Terminal Sacrifice

HISTO: 853259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Seminal Vesicle  
Stomach - Glandular

Brain  
Intestine Large - Rectum  
Lung  
Nose  
Skin - Control  
Trachea

Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Prostate  
Spleen  
Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland  
Note: PHEOCHROM MAL TGLs = 4-4

Medulla

Pheochromocytoma Malignant

Bone  
Epididymis  
Eye

Fibrous Osteodystrophy  
Degeneration  
Atrophy  
Cataract

Focal, Mild  
Moderate  
Moderate

Note: CATARACT TGLs = 2-20

Heart  
Islets, Pancreatic  
Kidney

Renal Tubule  
Epithelium, Pelvis

Cardiomyopathy  
Adenoma  
Adenoma  
Hyperplasia  
Nephropathy

Mild  
  
Moderate  
Moderate

Note: NEPHROPATHY TGLs = 3-4

Liver

Bile Duct

Clear Cell Focus  
Hyperplasia  
Inflammation

Mild  
Chronic, Focal, Mild

Pancreas  
Parathyroid Gland  
Pituitary Gland  
Preputial Gland  
Skin

Acinus  
  
Pars Distalis  
SOA-No Mass

Atrophy  
Hypertrophy  
Adenoma  
Inflammation  
Acanthosis

Moderate  
Mild  
  
Chronic, Moderate  
Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5825

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** 300 UL RAT HM

**DISP:** Terminal Sacrifice

**HISTO:** 853259

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ACANTHOSIS      TGLs = 1-21

Testes

Interstit Cell

Adenoma

Thyroid Gland

C Cell

Hyperplasia

Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5826

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 300 UL RAT HM

DISP: Terminal Sacrifice

HISTO: 853260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Ear		Ulcer	Mild
Note: ULCER	TGLs = 3-21		
Epididymis		Degeneration	Focal, Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 4-20		
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 6-4		
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 2-9		
Urinary Bladder		Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5826

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** 300 UL RAT HM

**DISP:** Terminal Sacrifice

**HISTO:** 853260

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5827

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 300 UL RAT HM

DISP: Terminal Sacrifice

HISTO: 853261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Degeneration	Focal, Moderate
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 3-20			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Marked
		Nephropathy	Moderate
Liver		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Preputial Gland		Fibrosis	Mild
		Inflammation	Chronic, Mild
Prostate		Hyperplasia	Focal, Mild
Skin	Thoracic	Keratoacanthoma	
Note: [ KERATOACANTHMA ] TGLs = 2-21			
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5827

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** 300 UL RAT HM

**DISP:** Terminal Sacrifice

**HISTO:** 853261

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5828

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Degeneration Pheochromocytoma Benign	Fatty, Focal, Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Degeneration	Focal, Moderate
Eye	Retina	Atrophy Cataract	Moderate Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon Cecum	Adenocarcinoma Ulcer	Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: ADENOCARC TGLs = 11-8			
Kidney	Epithelium, Pelvis	Hyperplasia Nephropathy	Moderate Marked
Note: NEPHROPATHY TGLs = 7-4			
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion Inflammation	Mild Chronic, Moderate
Note: INFLAMMATION TGLs = 8-2			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 2-14			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 9-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

**ANIMAL ID:** 5828

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 708

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853262

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 6-10		
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 5-11		
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Moderate
Testes	Seminif Tub	Degeneration	Marked
Note: DEGEN	TGLs = 3-9		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5829

TRT#: 5

SEX: Male

DAY ON TEST: 538

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Spleen	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Preputial Gland	Thymus
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OBSERVATIONS

Epididymis		Degeneration	Focal, Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 3-4		
Lung		Inflammation	Chronic, Minimal
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Mild
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Atrophy	Moderate
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Moderate
	Forestomach	Hyperkeratosis	Moderate
Testes	Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 1-9		
Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5830

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
	Cortex	Hyperplasia	Focal, Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Compression	
Note: [ COMPRESSION ] TGLs = 5-1			
Epididymis		Degeneration	Focal, Mild
Eye		Cataract	Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 3-4			
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 4-14			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-1			
Prostate		Inflammation	Suppurative, Moderate
Spleen		Congestion	Moderate
		Fibrosis	Mild
Note: FIBROSIS TGLs = 2-21			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5830

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 645

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853264

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach

Forestomach

Acanthosis

Mild

Forestomach

Hyperkeratosis

Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5831

TRT#: 5

SEX: Male

DAY ON TEST: 654

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin - Control	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Lymph Node - Mesenteric

OBSERVATIONS

Epididymis		Degeneration	Focal, Minimal
Eye		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Skin	SOA-No Mass	Acanthosis	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5832

TRT#: 5

SEX: Male

DAY ON TEST: 647

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 7-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 4-4		
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 6-13		
Preputial Gland		Fibrosis	Moderate
Seminal Vesicle		Depletion Cellular	Marked
Note: DEPLETION	TGLs = 2-11		
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Moderate
Testes	Seminif Tub	Degeneration	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5832

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 647

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853266

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: DEGEN      TGLs = 1-9

Thymus

Depletion Lymphoid

Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5833

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Prostate	Salivary Glands
Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 6-20		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 3-4		
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 5-13		
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Fibrosis	Mild
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
Testes	Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5833

**TRT#:** 5  
**DOSE:** 300 UL RAT HM

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 722  
**HISTO:** 853267

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Seminif Tub

Atrophy  
Polyarteritis

Marked  
Moderate

Note: ATROPHY      TGLs = 1-9

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5834

TRT#: 5

SEX: Male

DAY ON TEST: 533

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Parathyroid Gland	Salivary Glands	Skin - Control
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea			

MISSING

Preputial Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye		Cataract	Moderate
Note: CATARACT TGLs = 8-20			
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Islets, Pancreatic		Adenoma	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-5			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Lactation	
Mesentery	Fat	Granuloma	Moderate
Note: GRANULOMA TGLs = 4-21			
Nose		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5834

TRT#: 5

SEX: Male

DAY ON TEST: 533

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853268

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: ADENOMA	TGLs = 7-1		
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Leukemia Mononuclear	
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Infarct	Moderate
		Leukemia Mononuclear	
Note: INFARCT	TGLs = 2-6,3-6		
Note: LEUKEMIA MONUC	TGLs = 1-6		
Urinary Bladder	Mucosa	Hyperplasia	Mild
		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5835

TRT#: 5

SEX: Male

DAY ON TEST: 562

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Glandular
Testes	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Hydrocephalus	Moderate
Epididymis		Degeneration	Focal, Mild
Esophagus		Hyperkeratosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Liver	Midzonal	Degeneration	Fatty, Mild
	Serosa	Inflammation	Necrotizing, Moderate
		Necrosis	Mild
Note: NECROSIS TGLs = 8-23			
Note: INFLAMMATION TGLs = 7-22,7-23			
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Mild
Note: HYPERTROPHY TGLs = 5-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-1			
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 3-10			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5835	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 562
	<b>DOSE:</b> 300 UL RAT HM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853269

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Seminal Vesicle Note: ATROPHY TGLs = 2-11		Atrophy	Moderate
Skeletal Muscle Note: INFLAMMATION TGLs = 4-21	Diaphragm	Inflammation	Proliferative, Moderate
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Moderate
	Serosa	Inflammation	Suppurative, Marked
	Forestomach	Ulcer	Mild
Note: INFLAMMATION TGLs = 9-24			
Thymus		Depletion Lymphoid	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5836

TRT#: 5

SEX: Male

DAY ON TEST: 596

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin - Control	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye		Cataract	Mild
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-5,4-5			
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Preputial Gland		Hyperplasia	Moderate
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5836

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 596

**DOSE:** 300 UL RAT HM

**DISP:** Natural Death

**HISTO:** 853270

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5837

TRT#: 5

SEX: Male

DAY ON TEST: 689

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Cecum  
Intestine Small - Ileum  
Prostate  
Stomach - Glandular

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Salivary Glands  
Thymus

Brain  
Intestine Large - Rectum  
Lymph Node - Mandibular  
Skin - Control  
Trachea

Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Skin - Site of Application-No Mass  
Urinary Bladder

OBSERVATIONS

Adrenal Gland

Medulla  
Medulla

Hyperplasia  
Pheochromocytoma Benign  
Fibrous Osteodystrophy  
Degeneration  
Fibrosis

Focal, Mild

Bone  
Epididymis

Atrophy  
Cataract

Focal, Moderate  
Mild

Note: FIBROSIS TGLs = 4-9

Eye

Retina

Note: CATARACT TGLs = 6-20

Heart  
Islets, Pancreatic  
Kidney

Epithelium, Pelvis

Cardiomyopathy  
Adenoma  
Hyperplasia  
Nephropathy

Minimal  
Moderate  
Marked

Note: NEPHROPATHY TGLs = 5-4

Liver

Bile Duct

Hyperplasia  
Necrosis  
Inflammation

Mild  
Mild  
Chronic, Mild

Lung  
Mammary Gland  
Nose

Lactation  
Fungus

Pancreas  
Parathyroid Gland  
Pituitary Gland  
Preputial Gland  
Seminal Vesicle

Acinus  
Pars Distalis

Atrophy  
Hypertrophy  
Hyperplasia  
Fibrosis  
Atrophy

Moderate  
Moderate  
Focal, Mild  
Moderate  
Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5837	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 689
	<b>DOSE:</b> 300 UL RAT HM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853271

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ATROPHY	TGLs = 2-11		
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
Testes	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Moderate
Note: ATROPHY	TGLs = 3-9		
Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5838

TRT#: 5

SEX: Male

DAY ON TEST: 549

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Parathyroid Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Brain		Compression	
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Inflammation	Chronic, Focal, Mild
		Necrosis	Mild
Mammary Gland		Lactation	
Nose		Inflammation	Suppurative, Moderate
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 3-1		
Prostate		Inflammation	Suppurative, Moderate
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Hyperkeratosis	Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5839

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 300 UL RAT HM

DISP: Terminal Sacrifice

HISTO: 853273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Parathyroid Gland	Prostate
Salivary Glands	Skin - Control	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Epididymis		Degeneration	Focal, Marked
		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 11-20		
Heart	Atrium	Thrombosis	
Intestine Large	Cecum	Edema	Moderate
	Cecum	Ulcer	Moderate
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 8-4		
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-5		
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Inflammation	Granulomatous, Moderate
Note: INFLAMMATION	TGLs = 5-8		
Pancreas	Acinus	Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5839	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> 300 UL RAT HM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 853273

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: EDEMA Preputial Gland	TGLs = 4-6		Edema	Moderate
Seminal Vesicle			Ectasia	Mild
Note: ATROPHY	TGLs = 2-11		Fibrosis	Moderate
Skin		SOA-No Mass	Atrophy	Mild
Spleen			Acanthosis	Minimal
Note: LEUKEMIA MONUC	TGLs = 3-6		Leukemia Mononuclear	
Stomach		Forestomach	Acanthosis	Mild
		Forestomach	Hyperkeratosis	Mild
Testes		Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 1-9			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5840

TRT#: 5

SEX: Male

DAY ON TEST: 718

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Spleen  
Urinary Bladder

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Penis  
Stomach - Forestomach

Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Thyroid Gland

Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Skin - Control  
Trachea

OBSERVATIONS

Adrenal Gland  
  
Blood Vessel  
Note: DEGEN TGLs = 12-20

Medulla  
Medulla

Hyperplasia  
Pheochromocytoma Benign  
Degeneration

Focal, Moderate  
  
Moderate

Bone  
Epididymis  
  
Note: FIBROSIS TGLs = 7-9

Fibrous Osteodystrophy  
Degeneration  
Fibrosis

Focal, Moderate  
Mild

Eye  
  
Note: CATARACT TGLs = 2-21  
Note: HEMORRHAGE TGLs = 3-21

Retina

Atrophy  
Cataract  
Hemorrhage

Mild  
Moderate  
Moderate

Heart  
Note: CARDIOMYOPATHY TGLs = 13-12

Cardiomyopathy

Moderate

Kidney  
  
Note: NEPHROPATHY TGLs = 8-4,9-4

Epithelium, Pelvis

Hyperplasia  
Nephropathy

Moderate  
Marked

Liver  
Note: INFLAMMATION TGLs = 10-5

Inflammation

Chronic, Focal, Mild

Lung  
  
Mammary Gland

Hemorrhage  
Inflammation  
Hyperplasia

Mild  
Chronic, Moderate  
Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5840

TRT#: 5

SEX: Male

DAY ON TEST: 718

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853274

ORGAN AND ACCOUNTABLE SITE STATUS

Nose		Lactation	
Pancreas	Acinus	Inflammation	Suppurative, Mild
Parathyroid Gland		Atrophy	Mild
Note: HYPERTROPHY	TGLs = 11-13	Hypertrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 14-1	Fibrosis	Mild
Preputial Gland		Inflammation	Suppurative, Moderate
Prostate		Depletion Cellular	Moderate
Seminal Vesicle		Acanthosis	Minimal
Note: DEPLETION	TGLs = 5-11	Degeneration	Moderate
Skin	SOA-No Mass	Necrosis	Focal, Moderate
Stomach	Glandular, Mucosa	Adenoma	
Note: NECROSIS	TGLs = 15-7	Atrophy	Marked
Testes	Interstit Cell	Depletion Lymphoid	Moderate
Note: ATROPHY	TGLs = 6-9		
Thymus	Seminif Tub		
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5841

TRT#: 5

SEX: Male

DAY ON TEST: 542

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Salivary Glands	Skin - Control
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Epididymis		Degeneration	Focal, Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Necrosis	Marked
Note: NECROSIS TGLs = 5-5			
Lung		Inflammation	Chronic, Minimal
Mammary Gland		Lactation	
Note: LESION NOTED GROSSLY AS MAMMARY WAS PREPUTIAL GL CARCINOMA			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Parathyroid Gland		Hypertrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 10-1			
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-20			
Prostate		Inflammation	Suppurative, Marked
Seminal Vesicle		Depletion Cellular	Mild
Note: DEPLETION TGLs = 4-11			
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5841

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 542

**DOSE:** 300 UL RAT HM

**DISP:** Natural Death

**HISTO:** 853275

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes		Seminif Tub	Atrophy	Mild
Note: ATROPHY	TGLs = 3-9			
Thyroid Gland		C Cell	Adenoma	
Note: ADENOMA	TGLs = 8-13			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5842

TRT#: 5

SEX: Male

DAY ON TEST: 650

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Preputial Gland	Salivary Glands	Skin - Control
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Degeneration Hyperplasia	Fatty, Focal, Mild Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Eye	Retina	Atrophy Cataract	Moderate Moderate
Note: CATARACT TGLs = 5-20			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 6-4			
Liver	Bile Duct	Hyperplasia	Minimal
Lung		Inflammation	Chronic, Mild
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Parathyroid Gland		Hypertrophy	Mild
Note: HYPERTROPHY TGLs = 9-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 10-1			
Prostate		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 3-10			
Seminal Vesicle		Depletion Cellular	Moderate
Note: DEPLETION TGLs = 4-11			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

**ANIMAL ID:** 5842

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 650

**DOSE:** 300 UL RAT HM

**DISP:** Natural Death

**HISTO:** 853276

**ORGAN AND ACCOUNTABLE SITE STATUS**

Skin	SOA-No Mass	Acanthosis	Minimal
	SOA-No Mass	Hyperkeratosis	Mild
Note: HYPERKERATOSIS	TGLs = 1-15		
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Mild
Testes	Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 2-9		
Thymus		Depletion Lymphoid	Mild
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA	TGLs = 8-13		
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5843

TRT#: 5

SEX: Male

DAY ON TEST: 582

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Epididymis		Degeneration	Focal, Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 6-21		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 4-4		
Liver	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-1		
Prostate		Inflammation	Suppurative, Moderate
Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Mild
Note: FIBROSIS	TGLs = 2-20		
Note: HEMA CELL PROL	TGLs = 1-6		
Stomach	Forestomach	Acanthosis	Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5843

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 582

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853277

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Forestomach

Hyperkeratosis

Marked

Forestomach

Squamous Cell Papilloma

Forestomach

Ulcer

Moderate

Note: PAPILLOMA SQUA TGLs = 3-7

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5844

TRT#: 5

SEX: Male

DAY ON TEST: 699

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Spleen	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood Vessel		Degeneration	Moderate
Note: DEGEN TGLs = 10-20,10-12			
Bone		Fibrous Osteodystrophy	
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 2-21			
Heart		Cardiomyopathy	Moderate
Note: CARDIOMYOPATHY TGLs = 11-12			
Kidney	Epithelium, Pelvis	Hyperplasia	Moderate
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 6-4,7-4			
Liver	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Chronic, Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 8-14			
Parathyroid Gland		Hypertrophy	Marked
Note: HYPERTROPHY TGLs = 9-13			
Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5844

TRT#: 5

SEX: Male

DAY ON TEST: 699

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853278

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Hyperplasia  
Pigmentation

Focal, Mild  
Moderate

Note: ANGIECTASIS TGLs = 12-1

Note: ADENOMA TGLs = 12-1

Preputial Gland

Fibrosis

Mild

Prostate

Inflammation

Suppurative, Marked

Note: INFLAMMATION TGLs = 5-10

Seminal Vesicle

Depletion Cellular

Moderate

Note: DEPLETION TGLs = 3-11

Stomach

Forestomach

Acanthosis

Moderate

Glandular, Mucosa

Degeneration

Moderate

Forestomach

Hyperkeratosis

Moderate

Muscularis

Necrosis

Mild

Note: NECROSIS TGLs = 13-7

Testes

Seminif Tub

Atrophy

Moderate

Polyarteritis

Moderate

Note: ATROPHY TGLs = 4-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5845

TRT#: 5

SEX: Male

DAY ON TEST: 700

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Preputial Gland
Prostate	Seminal Vesicle	Skin - Control	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Bone	Bone Marrow	Intestine Large - Rectum
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OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Note: CATARACT	TGLs = 5-20		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 2-4		
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-5		
Lung		Congestion	Mild
		Leukemia Mononuclear	
Note: CONGESTION	TGLs = 4-2		
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland		Hemorrhage	Marked
Salivary Glands		Concretion	Moderate
Skin	SOA-No Mass	Acanthosis	Minimal
	Face	Papilloma	
Note: PAPHILLOMA	TGLs = 6-21		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5845

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 700

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853279

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-6

Thyroid Gland

C Cell

Hyperplasia

Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5846

TRT#: 5

SEX: Male

DAY ON TEST: 519

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skin - Control	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Adrenal Gland - Medulla	Preputial Gland
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
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INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Lung		Congestion	Moderate
Note: CONGESTION	TGLs = 3-2		
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 2-14		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Prostate		Inflammation	Suppurative, Moderate
Skin	SOA-No Mass	Acanthosis	Minimal
Testes	Interstitial Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5846

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 519

**DOSE:** 300 UL RAT HM

**DISP:** Natural Death

**HISTO:** 853280

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5847

TRT#: 5

SEX: Male

DAY ON TEST: 699

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Marked
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: DEGEN TGLs = 6-4			
Brain		Compression	
Note: COMPRESSION TGLs = 11-1			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 2-20			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 7-4,8-4			
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 9-14			
Nose		Inflammation	Suppurative, Mild
Pancreas	Acinus	Atrophy	Mild
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY TGLs = 10-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 12-1			
Preputial Gland		Abscess	Marked

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

**ANIMAL ID:** 5847

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 699

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853281

**ORGAN AND ACCOUNTABLE SITE STATUS**

Prostate		Fibrosis	Mild
Seminal Vesicle		Inflammation	Chronic, Mild
Note: ATROPHY	TGLs = 3-11	Atrophy	Moderate
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Squamous Cell Papilloma	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
		Polyarteritis	Moderate
Note: ATROPHY	TGLs = 4-9		
Note: ADENOMA	TGLs = 5-9		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5848

TRT#: 5

SEX: Male

DAY ON TEST: 626

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Stomach - Glandular	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 3-20			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Moderate
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6			
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Moderate
	Forestomach	Hyperkeratosis	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5848

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 626

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853282

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes	Forestomach	Ulcer	Moderate
Thymus	Seminif Tub	Atrophy	Minimal
Thyroid Gland	C Cell	Depletion Lymphoid	Mild
		Adenoma	

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5849

TRT#: 5

SEX: Male

DAY ON TEST: 512

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Epididymis		Degeneration	Focal, Marked
		Fibrosis	Moderate
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
		Nephropathy	Mild
Liver		Inflammation	Chronic, Focal, Moderate
Lung		Congestion	Mild
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Chronic, Mild
Seminal Vesicle		Depletion Cellular	Marked
Note: DEPLETION	TGLs = 4-11		
Skin	Lip	Papilloma	
Note: PAPILLOMA	TGLs = 2-22		
Spleen		Sarcoma	
Note: [ SARCOMA ]	TGLs = 5-20		
Testes	Seminif Tub	Atrophy	Mild
Note: ATROPHY	TGLs = 3-9		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5849

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 512

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853283

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5850

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Cortex	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Hyperostosis	
Epididymis		Degeneration	Focal, Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
Intestine Large	Cecum	Ulcer	Moderate
Intestine Small	Duodenum	Ulcer	Marked
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 7-4		
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
Note: LEUKEMIA MONUC	TGLs = 8-5		
Note: NECROSIS	TGLs = 9-5		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

**ANIMAL ID:** 5850

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 632

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853284

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: HDN	TGLs = 10-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Pancreas		Cytoplasmic Alteration	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Fibrosis	Mild
Spleen		Infarct	Marked
		Leukemia Mononuclear	
Note: INFARCT	TGLs = 6-6		
Note: LEUKEMIA MONUC	TGLs = 5-6		
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Mild
Testes	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5851

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Pancreas

Salivary Glands

Skin - Control

Skin - Site of Application-No Mass

Stomach - Forestomach

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Degeneration

Fatty, Focal, Moderate

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Bone

Fibrous Osteodystrophy

Epididymis

Degeneration

Focal, Moderate

Eye

Retina

Atrophy

Mild

Note: CATARACT TGLs = 1-20

Cataract

Moderate

Heart

Cardiomyopathy

Moderate

Atrium

Thrombosis

Note: THROMBUS TGLs = 10-12

Kidney

Nephropathy

Marked

Note: NEPHROPATHY TGLs = 5-4,6-4

Liver

Bile Duct

Hyperplasia

Mild

Note: NECROSIS TGLs = 8-5

Necrosis

Moderate

Lung

Inflammation

Chronic, Mild

Lymph Node

Mediastinal

Hemorrhage

Moderate

Note: HEMORRHAGE TGLs = 11-12

Mammary Gland

Lactation

Nose

Fungus

Parathyroid Gland

Hypertrophy

Moderate

Note: HYPERTROPHY TGLs = 9-13

Pituitary Gland

Pars Distalis

Adenoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5851	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 708
	<b>DOSE:</b> 300 UL RAT HM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 853285

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 12-1		
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Marked
Seminal Vesicle		Depletion Cellular	Moderate
Note: DEPLETION	TGLs = 3-11		
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular, Mucosa	Degeneration	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 2-9		
Thymus		Depletion Lymphoid	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5852

TRT#: 5

SEX: Male

DAY ON TEST: 665

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
Esophagus		Hyperkeratosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 5-4		
Liver	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 6-14		
Note: LACTATION	TGLs = 1-21		
Pancreas	Acinus	Atrophy	Moderate
Parathyroid Gland		Hyperplasia	Focal, Minimal
		Hypertrophy	Moderate
Note: HYPERTROPHY	TGLs = 7-13		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-1		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

**ANIMAL ID:** 5852

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 665

**DOSE:** 300 UL RAT HM

**DISP:** Moribund Sacrifice

**HISTO:** 853286

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland		Fibrosis	Moderate
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 3-11		
Skin	Other	Inflammation	Suppurative, Mild
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Ulcer	Marked
Note: ULCER	TGLs = 9-7		
Testes	Seminif Tub	Atrophy	Mild
Note: ATROPHY	TGLs = 4-9		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5853

TRT#: 5

SEX: Male

DAY ON TEST: 528

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Epididymis  
Islets, Pancreatic  
Parathyroid Gland  
Skin - Control  
Testes  
Urinary Bladder

Bone  
Esophagus  
Lymph Node - Mandibular  
Preputial Gland  
Spleen  
Thymus

Bone Marrow  
Intestine Large - Colon  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Brain  
Intestine Small - Duodenum  
Pancreas  
Seminal Vesicle  
Stomach - Glandular  
Trachea

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland

Cortex

Degeneration

Fatty, Focal, Mild

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Heart

Cardiomyopathy

Minimal

Kidney

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia

Mild

Lung

Congestion

Mild

Nose

Inflammation

Suppurative, Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 1-1

Prostate

Inflammation

Suppurative, Moderate

Skin

SOA-No Mass

Acanthosis

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5854

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Parathyroid Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin - Control	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Epididymis		Fibrosis	Mild
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
Note: CATARACT	TGLs = 5-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Nose		Fungus	
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-1		
Prostate		Hyperplasia	Focal, Mild
Skin	SOA-No Mass	Acanthosis	Minimal
	SOA-No Mass	Inflammation	Suppurative, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 3-9		
Note: ADENOMA	TGLs = 4-9		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5854

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 637

**DOSE:** 300 UL RAT HM

**DISP:** Natural Death

**HISTO:** 853288

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5855

TRT#: 5

SEX: Male

DAY ON TEST: 607

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	Intestine Small - Duodenum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Hypoplasia	Minimal
Brain		Compression	
Note: COMPRESSION TGLs = 5-1			
Epididymis		Degeneration	Focal, Moderate
Eye		Cataract	Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
		Congestion	Minimal
Note: [ CONGESTION ] TGLs = 4-3			
Note: CONGESTION TGLs = 5-3			
Note: [ CONGESTION ] TGLs = 4-3			
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5855

**TRT#:** 5  
**DOSE:** 300 UL RAT HM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 607  
**HISTO:** 853289

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: ADENOMA	TGLs = 6-1		
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 2-11		
Spleen		Pigmentation	Hemosiderin, Mild
Testes		Atrophy	Mild
Note: ATROPHY	TGLs = 3-9	Seminif Tub	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5856

TRT#: 5

SEX: Male

DAY ON TEST: 615

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Brain		Compression	
Note: COMPRESSION TGLs = 3-1			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 2-21			
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			
Preputial Gland		Carcinoma	
		Ectasia	Moderate
		Fibrosis	Mild
Note: ECTASIA TGLs = 1-10			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5856

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 615

**DOSE:** 300 UL RAT HM

**DISP:** Natural Death

**HISTO:** 853290

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ CARCINOMA ] TGLs = 1-20

Spleen

Hematopoietic Cell Proliferation

Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5857

TRT#: 5

SEX: Male

DAY ON TEST: 534

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Lymph Node - Mandibular  
Salivary Glands  
Stomach - Glandular

Adrenal Gland - Medulla  
Epididymis  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Seminal Vesicle  
Thyroid Gland

Bone  
Esophagus  
Islets, Pancreatic  
Parathyroid Gland  
Skin - Control  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Liver  
Preputial Gland  
Stomach - Forestomach  
Urinary Bladder

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Eye

Retina

Atrophy

Moderate

Cataract

Moderate

Note: CATARACT TGLs = 2-20

Heart

Cardiomyopathy

Mild

Intest Small

Note: JEJUNAL GROSS LESION IDENTIFIED HISTOLOGICALLY AS COLONIC

Intestine Large

Colon

Adenocarcinoma

Note: ADENOCARC TGLs = 5-21

Kidney

Nephropathy

Minimal

Lung

Congestion

Mild

Mammary Gland

Lactation

Nose

Fungus

Pancreas

Acinus

Atrophy

Moderate

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 4-1

Prostate

Inflammation

Suppurative, Moderate

Skin

SOA-No Mass

Acanthosis

Mild

Spleen

Pigmentation

Hemosiderin, Mild

Testes

Seminif Tub

Atrophy

Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5857

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 534

**DOSE:** 300 UL RAT HM

**DISP:** Natural Death

**HISTO:** 853291

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ATROPHY ] TGLs = 1-9

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5858

TRT#: 5

SEX: Male

DAY ON TEST: 650

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin - Control
Skin - Site of Application-No Mass	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Epididymis		Degeneration	Focal, Marked
Esophagus		Hyperkeratosis	Mild
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
Note: CATARACT	TGLs = 5-20		
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 3-4		
Liver	Peripheral	Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: DEGEN	TGLs = 2-5		
Lung		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Mammary Gland		Lactation	
Nose		Adenoma	
		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Preputial Gland		Abscess	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5858	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 650
	<b>DOSE:</b> 300 UL RAT HM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853292

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Fibrosis	Moderate
		Congestion	Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-6			
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
	Glandular, Mucosa	Erosion	Focal, Moderate
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Ulcer	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5859

TRT#: 5

SEX: Male

DAY ON TEST: 391

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Lymph Node - Mandibular
Nose	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Testes
Thymus	Trachea	Urinary Bladder	

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Pancreas	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland		

OBSERVATIONS

Brain		Compression	
Note: COMPRESSION	TGLs = 4-1		
Kidney		Nephropathy	Moderate
Liver		Fibrosis	Focal, Mild
Lung		Congestion	Marked
		Edema	Marked
		Infiltration Cellular	Histiocyte, Mild
Note: EDEMA	TGLs = 2-2		
Note: CONGESTION	TGLs = 2-2		
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-1		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5860

TRT#: 5

SEX: Male

DAY ON TEST: 668

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Prostate	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Hypoplasia	Mild
Brain		Compression	
Note: COMPRESSION TGLs = 7-1			
Epididymis		Degeneration	Focal, Marked
		Fibrosis	Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 1-20			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 5-4			
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
		Hemorrhage	Minimal
		Inflammation	Chronic, Minimal
Note: CONGESTION TGLs = 6-2			
Pancreas	Acinus	Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5860	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 668
	<b>DOSE:</b> 300 UL RAT HM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853294

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-1		
Preputial Gland		Fibrosis	Mild
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 3-11		
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
Testes		Hypoplasia	Mild
Note: HYPOPLASIA	TGLs = 4-9		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5861

TRT#: 5

SEX: Male

DAY ON TEST: 486

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853295

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin - Control
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Bone Marrow		Hypoplasia	Mild
Epididymis		Degeneration	Focal, Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 1-2		
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Prostate		Inflammation	Suppurative, Mild
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5862

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 300 UL RAT HM

DISP: Terminal Sacrifice

HISTO: 853296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Minimal
Eye		Cataract	Moderate
Note: CATARACT	TGLs = 7-20		
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 5-4		
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-1		
Prostate		Hyperplasia	Focal, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Seminif Tub	Atrophy	Moderate
		Polyarteritis	Moderate
Note: ATROPHY	TGLs = 2-9		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5863

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland
Salivary Glands	Skin - Control	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Marked
Epididymis		Fibrosis	Mild
Note: FIBROSIS TGLs = 5-9			
Eye	Retina	Atrophy	Moderate
Note: CATARACT TGLs = 3-20		Cataract	Moderate
Intestine Large	Colon	Edema	Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: EDEMA TGLs = 16-8			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
Note: NEPHROPATHY TGLs = 10-4		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 12-5		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 11-5			
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Nose		Inflammation	Suppurative, Moderate
Pancreas		Edema	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 15-1			
Preputial Gland		Fibrosis	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5863

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853297

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Cyst	Marked
		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 8-10		
Note: CYST	TGLs = 7-10		
Seminal Vesicle		Depletion Cellular	Moderate
		Inflammation	Suppurative, Moderate
Note: DEPLETION	TGLs = 6-11		
Skin	SOA-No Mass	Acanthosis	Minimal
	SOA-No Mass	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS	TGLs = 1-21		
Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 13-6		
Testes	Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 4-9		
Tissue NOS		Fibroma	
Note: FIBROMA	TGLs = 2-22		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5864

TRT#: 5

SEX: Male

DAY ON TEST: 535

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin - Control	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Prostate		Inflammation	Suppurative, Moderate
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Minimal
	Forestomach	Hyperkeratosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5865

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Spleen
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Parathyroid Gland	Thyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Minimal
	Cortex	Hypertrophy	Focal, Mild
Epididymis		Degeneration	Focal, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 7-4		
Liver		Fibrosis	Focal, Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
Note: HEPATOCLR ADEN	TGLs = 6-21		
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-1		
Preputial Gland		Ectasia	Moderate
		Fibrosis	Mild
Note: ECTASIA	TGLs = 2-10		
Prostate		Inflammation	Suppurative, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5865	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 641
	<b>DOSE:</b> 300 UL RAT HM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853299

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: INFLAMMATION	TGLs = 5-10			
Seminal Vesicle		Atrophy	Mild	
Note: ATROPHY	TGLs = 4-11			
Stomach		Forestomach	Acanthosis	Moderate
		Forestomach	Edema	Mild
		Forestomach	Hyperkeratosis	Moderate
		Forestomach	Ulcer	Marked
Note: ULCER	TGLs = 9-22			
Testes		Seminif Tub	Atrophy	Mild
		Seminif Tub	Atrophy	Mild
Note: ATROPHY	TGLs = 3-9			
PRIMARY CAUSE OF DEATH	-			

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5866

TRT#: 5

SEX: Male

DAY ON TEST: 612

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Epididymis		Degeneration	Focal, Moderate
		Fibrosis	Mild
Eye		Cataract	Moderate
Note: CATARACT TGLs = 2-21			
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 11-12			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 10-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-5			
Nose		Fungus	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Fibrosis	Moderate
Prostate		Inflammation	Suppurative, Marked
Skin	Abdominal, Subcut Tiss	Edema	Moderate
Note: EDEMA TGLs = 1-14			
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
Note: FIBROSIS TGLs = 7-20			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5866	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 612
	<b>DOSE:</b> 300 UL RAT HM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853300

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC	TGLs = 6-6		
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Ulcer	Mild
Testes	Seminif Tub	Degeneration	Moderate
Note: DEGEN	TGLs = 4-9		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5867

TRT#: 5

SEX: Male

DAY ON TEST: 534

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Salivary Glands
Skin - Control	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum                      Intestine Large - Colon

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone		Fibrous Osteodystrophy	
Epididymis		Degeneration	Focal, Moderate
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY    TGLs = 3-4			
Parathyroid Gland		Hypertrophy	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Fibrosis	Mild
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Depletion Cellular	Moderate
Skin	SOA-No Mass	Acanthosis	Minimal
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Moderate
Testes	Seminif Tub	Atrophy	Mild
Note: ATROPHY            TGLs = 1-9			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:05

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5867

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 534

**DOSE:** 300 UL RAT HM

**DISP:** Natural Death

**HISTO:** 853301

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5868

TRT#: 5

SEX: Male

DAY ON TEST: 580

DOSE: 300 UL RAT HM

DISP: Natural Death

HISTO: 853302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skin - Control	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Preputial Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Cortex	Metaplasia	Osseous, Focal, Mild
Epididymis		Degeneration	Focal, Minimal
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 4-20		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Note: ADENOMA ON SLIDE #7			
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Minimal
		Congestion	Moderate
Lung			
Note: CONGESTION	TGLs = 2-2		
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-14		
Nose	Glands, Olfactory Epi, Submucosa	Hypertrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5868

**TRT#:** 5  
**DOSE:** 300 UL RAT HM

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 580  
**HISTO:** 853302

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Prostate		Inflammation	Suppurative, Marked
Skin	SOA-No Mass	Acanthosis	Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:05

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5869

TRT#: 5

SEX: Male

DAY ON TEST: 563

DOSE: 300 UL RAT HM

DISP: Moribund Sacrifice

HISTO: 853303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Preputial Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Compression	
Note: COMPRESSION	TGLs = 4-1		
Epididymis		Degeneration	Focal, Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 3-20		
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 2-4		
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-1		
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 1-11		
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Ulcer	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:05  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5869

**TRT#:** 5  
**DOSE:** 300 UL RAT HM

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 563  
**HISTO:** 853303

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ULCER      TGLs = 6-21

Thyroid Gland

C Cell

Hyperplasia

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5630

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 0 UL/RAT UF

**DISP:** Scheduled Sacrifice

**HISTO:** 853064

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Kidney

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin - Control

Skin - Site of Application-No Mass

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

**OBSERVATIONS**

Heart

Cardiomyopathy

Mild

Liver

Inflammation

Granulomatous, Focal, Mild

Mammary Gland

Hyperplasia

Cystic, Mild

Spleen

Pigmentation

Hemosiderin, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

**ANIMAL ID:** 5631

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 0 UL/RAT UF

**DISP:** Scheduled Sacrifice

**HISTO:** 853065

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Stomach - Glandular  
Uterus

Bone  
Esophagus  
Intestine Large - Rectum  
Lung  
Ovary  
Skin - Control  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Skin - Site of Application-No Mass  
Trachea

**OBSERVATIONS**

Kidney  
Liver  
Mammary Gland  
Pituitary Gland  
Spleen  
Thymus

Bile Duct  
  
Pars Distalis

Nephropathy  
Hyperplasia  
Hyperplasia  
Adenoma  
Pigmentation  
Cyst

Minimal  
Mild  
Cystic, Moderate  
  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5632

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 UL/RAT UF

DISP: Scheduled Sacrifice

HISTO: 853066

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

**OBSERVATIONS**

Kidney	Cortex	Mineralization	Focal, Mild
		Nephropathy	Mild
Liver		Inflammation	Granulomatous, Focal, Minimal
Lung		Atelectasis	Focal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
Nose	Nasolacrim Dct	Exudate	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5633

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 UL/RAT UF

DISP: Scheduled Sacrifice

HISTO: 853067

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**OBSERVATIONS**

Eye	Retina	Atrophy	Moderate
		Cataract	Mild
	Retrobulbar	Hemorrhage	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Mild
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5634

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 331

**DOSE:** 0 UL/RAT UF

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal Gland

Cortex

Degeneration

Fatty, Focal, Minimal

Eye

Retina

Atrophy

Moderate

Kidney

Cataract

Moderate

Mammary Gland

Hydronephrosis

Mild

Nose

Fibroadenoma

Spleen

Inflammation

Suppurative, Marked

Hematopoietic Cell Proliferation

Marked

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5635

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 UL/RAT UF

DISP: Scheduled Sacrifice

HISTO: 853069

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

**OBSERVATIONS**

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Focal, Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Minimal
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5636

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 UL/RAT UF

DISP: Scheduled Sacrifice

HISTO: 853070

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

**OBSERVATIONS**

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Focal, Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5637

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 UL/RAT UF

DISP: Scheduled Sacrifice

HISTO: 853071

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

**OBSERVATIONS**

Brain	Cerebrum	Compression	Moderate
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Focal, Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5638

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 UL/RAT UF

DISP: Scheduled Sacrifice

HISTO: 853072

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

**OBSERVATIONS**

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Minimal
Kidney	Cortex	Mineralization	Focal, Mild
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
Mammary Gland		Hyperplasia	Cystic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5639

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 UL/RAT UF

DISP: Scheduled Sacrifice

HISTO: 853073

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

**OBSERVATIONS**

Kidney	Cortex	Mineralization	Focal, Minimal
Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Moderate
Nose	Nasolacrim Dct	Exudate	Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5640

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 9-20		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Carcinoma	
Kidney	Pelvis	Dilatation	Mild
		Nephropathy	Moderate
Note: [ DILATATION ]	TGLs = 6-4,7-4		
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: HDN	TGLs = 5-19		
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 10-1		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 3-6		
Uterus		Schwannoma Malignant	
Note: [ SCHWANNOMA MAL ]	TGLs = 2-18		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5641

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Brain		Compression	
Note: COMPRESSION	TGLs = 8-1		
Clitoral Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 2-9		
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 1-19		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 3-4		
Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA	TGLs = 6-20		
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5641

**TRT#:** 2  
**DOSE:** 0 UL/RAT UF

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 734  
**HISTO:** 853075

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA TGLs = 7-1

Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Carcinoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5642

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Clitoral Gland		Adenoma	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 5-19		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 3-4		
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
		Mixed Cell Focus	
Note: HDN	TGLs = 2-18		
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 4-2		
Mammary Gland		Hyperplasia	Mild
		Lactation	
Note: LACTATION	TGLs = 1-12		
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5642	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> 0 UL/RAT UF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 853076

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 6-1		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Uterus	Endometrium	Atrophy	Mild

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5643

TRT#: 2

SEX: Female

DAY ON TEST: 717

DOSE: 0 UL/RAT UF

DISP: Natural Death

HISTO: 853077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Parathyroid Gland
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Cortex, Medulla	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Clitoral Gland		Adenoma	
		Leukemia Mononuclear	
Note: ADENOMA	TGLs = 2-20		
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-18		
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-5,8-5		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 14-10		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 9-21		
Note: FIBROADENOMA (INTRACANALICULAR)			
Mesentery	Fat	Granuloma	Moderate
Note: GRANULOMA	TGLs = 6-19		
Nose		Fungus	

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5643

TRT#: 2

SEX: Female

DAY ON TEST: 717

DOSE: 0 UL/RAT UF

DISP: Natural Death

HISTO: 853077

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-9			
Pancreas			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6			
Pituitary Gland			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 15-1			
Salivary Glands			Leukemia Mononuclear	
Spleen			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6			
Stomach		Forestomach	Acanthosis	Moderate
		Forestomach	Edema	Mild
		Forestomach	Hyperkeratosis	Moderate
Thymus			Leukemia Mononuclear	
Thyroid Gland			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 12-11			
Trachea			Leukemia Mononuclear	
Urinary Bladder			Leukemia Mononuclear	
Uterus		Endometrium	Atrophy	Moderate
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5644

TRT#: 2

SEX: Female

DAY ON TEST: 593

DOSE: 0 UL/RAT UF

DISP: Natural Death

HISTO: 853078

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**AUTO PRECLUDES DIAG.**

Intestine Small - Ileum	Intestine Small - Jejunum
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**OBSERVATIONS**

Brain		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Congestion	Moderate
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-1		
Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5645

TRT#: 2

SEX: Female

DAY ON TEST: 552

DOSE: 0 UL/RAT UF

DISP: Natural Death

HISTO: 853079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Salivary Glands	Skin - Control	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
Note: CONGESTION	TGLs = 4-2		
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-12,2-12		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA	TGLs = 3-11		
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5646

TRT#: 2

SEX: Female

DAY ON TEST: 679

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
Note: 1991 CONVERSION DISCREPANCY.ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Carcinoma	Metastatic (Uncertain Primary Site)
Eye		Cataract	Moderate
Note: [ CATARACT ] TGLs = 3-18			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-5			
Lung		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA TGLs = 4-1			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-6			
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Marked
	Forestomach	Hyperkeratosis	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5646

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 679

**DOSE:** 0 UL/RAT UF

**DISP:** Moribund Sacrifice

**HISTO:** 853080

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5647

TRT#: 2

DOSE: 0 UL/RAT UF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 853081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Compression	
Note: COMPRESSION	TGLs = 7-1		
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-19		
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 5-4		
Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
Note: HEPATOCLR ADEN	TGLs = 8-5		
Mammary Gland		Adenocarcinoma	
		Lactation	
Note: ADENOCARC	TGLs = 3-20		
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-1		
Skin	SOA-No Mass	Ulcer	Mild
Note: ULCER	TGLs = 1-18		
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5647

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 UL/RAT UF

**DISP:** Terminal Sacrifice

**HISTO:** 853081

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus

Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 4-9

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5648

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Clitoral Gland

OBSERVATIONS

Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 7-18		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver		Degeneration	Fatty, Minimal
		Inflammation	Chronic, Focal, Mild
		Necrosis	Moderate
Note: NECROSIS	TGLs = 3-5		
Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA	TGLs = 1-19		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-1		
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL	TGLs = 2-6		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5648

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 UL/RAT UF

**DISP:** Terminal Sacrifice

**HISTO:** 853082

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus

Endometrium

Atrophy

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5649

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 1-21			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 3-4			
Liver		Clear Cell Focus	
		Degeneration	Fatty, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: HDN TGLs = 10-19			
Note: CLEAR CL FOCUS TGLs = 11-20			
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Note: HYPERPLASIA TGLs = 2-12			
Parathyroid Gland		Hypertrophy	Moderate
Note: HYPERTROPHY TGLs = 5-11			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5649

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 UL/RAT UF

**DISP:** Terminal Sacrifice

**HISTO:** 853083

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Ulcer	Marked
Note: ULCER	TGLs = 8-7		
Zymbal's Gland		Cyst	
Note: CYST	TGLs = 7-18		

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5650

TRT#: 2

SEX: Female

DAY ON TEST: 650

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Vagina		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
	Cortex	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Clitoral Gland		Adenoma	
		Granuloma	Moderate
Note: GRANULOMA TGLs = 2-9			
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT TGLs = 3-19			
Heart		Cardiomyopathy	Minimal
Intestine Small	Ileum, Mucosa	Atrophy	Moderate
	Jejunum, Mucosa	Atrophy	Moderate
Kidney		Nephropathy	Mild
Note: NEPHROPATHY TGLs = 6-4			
Liver	Centrilobular	Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: DEGEN TGLs = 7-5			
Lung		Hemorrhage	Minimal
Mammary Gland		Lactation	
Nose		Inflammation	Suppurative, Mild
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5650

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 650

**DOSE:** 0 UL/RAT UF

**DISP:** Moribund Sacrifice

**HISTO:** 853084

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: LEUKEMIA MONUC	TGLs = 8-1	Leukemia Mononuclear	
Note: ADENOMA	TGLs = 8-1		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-6		
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Ulcer	Moderate
Thymus		Depletion Lymphoid	Mild
Uterus	Endometrium	Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5651

TRT#: 2

SEX: Female

DAY ON TEST: 705

DOSE: 0 UL/RAT UF

DISP: Natural Death

HISTO: 853085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Lymph Node - Mandibular  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular

Bone  
Esophagus  
Nose  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Islets, Pancreatic  
Ovary  
Skin - Control  
Trachea

MISSING

Mammary Gland

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum  
Intestine Small - Ileum

Intestine Large - Colon  
Intestine Small - Jejunum

Intestine Large - Rectum

Intestine Small - Duodenum

OBSERVATIONS

Eye  
Note: CATARACT TGLs = 1-18  
Heart  
Kidney  
Liver  
Lung  
Note: CONGESTION TGLs = 3-2  
Pituitary Gland  
Note: ADENOMA TGLs = 4-1  
Skin  
Spleen  
Uterus

Retina  
Bile Duct  
Pars Distalis  
SOA-No Mass  
Endometrium

Atrophy  
Cataract  
Cardiomyopathy  
Nephropathy  
Hyperplasia  
Congestion  
Adenoma  
Acanthosis  
Pigmentation  
Atrophy

Mild  
Moderate  
Mild  
Minimal  
Mild  
Moderate  
Mild  
Hemosiderin, Moderate  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5652

TRT#: 2

SEX: Female

DAY ON TEST: 655

DOSE: 0 UL/RAT UF

DISP: Natural Death

HISTO: 853086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
	Cortex	Hyperplasia	Focal, Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Hypoplasia	Mild
Clitoral Gland		Inflammation	Suppurative, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 1-18			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver	Midzonal	Degeneration	Fatty, Mild
		Necrosis	Minimal
Lung		Congestion	Mild
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-1			
Skin	Control	Acanthosis	Mild
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
	Forestomach	Hemorrhage	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5652

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 655

**DOSE:** 0 UL/RAT UF

**DISP:** Natural Death

**HISTO:** 853086

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Forestomach

Hyperkeratosis

Moderate

Thymus

Depletion Lymphoid

Minimal

Uterus

Endometrium

Atrophy

Marked

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5653

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Clitoral Gland		Ectasia	Mild
Note: GROSSLY OBSERVED MASS WAS OF MAMMARY GL ORIGIN -SEE MAM GL			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 6-19			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Note: NEPHROPATHY TGLs = 5-4			
Liver		Basophilic Focus	
		Degeneration	Fatty, Minimal
		Inflammation	Chronic, Focal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Congestion	Mild
Note: CONGESTION TGLs = 4-3			
Note: CONGESTION TGLs = 4-2			
Mammary Gland		Fibroadenoma	
		Lactation	
Note: [ FIBROADENOMA ] TGLs = 1-18			
Note: LACTATION TGLs = 2-18			
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5653

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 UL/RAT UF

**DISP:** Terminal Sacrifice

**HISTO:** 853087

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA TGLs = 3-1

Spleen		Hematopoietic Cell Proliferation	Mild
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Stomach	Forestomach	Acanthosis	Mild
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Note: ACANTHOSIS TGLs = 7-7

Thyroid Gland	C Cell	Hyperplasia	Mild
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Uterus	Endometrium	Atrophy	Mild
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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5654

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Ear	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Eye	Retina	Atrophy	Mild
Note: CATARACT	TGLs = 3-18	Cataract	Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 2-4		
Liver		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 1-2		
Mammary Gland		Hyperplasia	Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland		Adenoma	
Note: ADENOMA	TGLs = 4-11		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5655

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Eye	Retina	Atrophy Cataract	Mild Mild
Note: CATARACT	TGLs = 7-19		
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis Epithelium, Pelvis	Hyperplasia Mineralization Nephropathy	Mild Mild Mild
Note: [ NEPHROPATHY ]	TGLs = 4-4		
Liver	Bile Duct	Degeneration Hyperplasia Inflammation	Fatty, Moderate Mild Chronic, Focal, Mild
Note: DEGEN	TGLs = 3-5		
Mammary Gland		Adenocarcinoma Lactation	
Note: LACTATION	TGLs = 1-12		
Note: ADENOCARC	TGLs = 2-18		
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-1		
Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Hemosiderin, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5655

**TRT#:** 2  
**DOSE:** 0 UL/RAT UF

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 734  
**HISTO:** 853089

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland  
Note: CARCINOMA      TGLs = 5-11

Follicular Cel

Carcinoma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5656

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Clitoral Gland		Ectasia	Moderate
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 1-19			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Note: HDN TGLs = 6-18			
Lung		Congestion	Mild
Note: CONGESTION TGLs = 4-2			
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA TGLs = 3-20			
Note: LACTATION TGLs = 2-12			
Pancreas	Acinus	Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5656

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 UL/RAT UF

**DISP:** Terminal Sacrifice

**HISTO:** 853090

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gland Note: ADENOMA      TGLs = 5-1	Pars Distalis	Adenoma	
Skin	Control	Acanthosis	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Carcinoma	
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5657

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 3-18		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Degeneration	Fatty, Minimal
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 2-2		
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Skin	Control	Acanthosis	Mild
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Atrophy	Mild
		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 5-9		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5658

TRT#: 2

SEX: Female

DAY ON TEST: 569

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Ovary	Pancreas
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT TGLs = 1-19			
Kidney		Nephropathy	Mild
Liver	Midzonal	Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Lactation	
Note: LACTATION TGLs = 3-12			
Mesentery	Fat	Granuloma	Moderate
Note: GRANULOMA TGLs = 4-18			
Nose	Nares	Ulcer	Moderate
Parathyroid Gland		Hypertrophy	Minimal
Pituitary Gland		Angiectasis	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

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**ANIMAL ID:** 5658

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 569

**DOSE:** 0 UL/RAT UF

**DISP:** Moribund Sacrifice

**HISTO:** 853092

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ANGIECTASIS TGLs = 8-1

Spleen

Leukemia Mononuclear

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-6

Stomach

Forestomach

Acanthosis

Moderate

Forestomach

Hyperkeratosis

Marked

Forestomach

Ulcer

Moderate

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5659

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone		Osteosarcoma	
Note: OSTEOSARC TGLs = 5-22			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		Hemorrhage	Mild
Note: CATARACT TGLs = 1-20			
Note: HEMORRHAGE TGLs = 6-20			
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Focal, Moderate
Note: HDN TGLs = 3-18,7-19			
Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
		Lactation	
Note: FIBROADENOMA TGLs = 2-21			
Nose		Inflammation	Chronic, Mild
Ovary		Cyst	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5659	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> 0 UL/RAT UF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 853093

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Parathyroid Gland Note: HYPERTROPHY    TGLs = 4-11		Hypertrophy	Mild
Pituitary Gland	Pars Intermed Pars Distalis	Adenoma Hyperplasia	Focal, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	C Cell	Carcinoma	
Uterus	Endometrium	Atrophy	Mild

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5660

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Eye	Retina	Atrophy	Mild
Note: CATARACT	TGLs = 7-19	Cataract	Moderate
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
Note: NEPHROPATHY	TGLs = 5-4	Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Fibroadenoma	
Note: LACTATION	TGLs = 1-12	Lactation	
Note: FIBROADENOMA	TGLs = 2-18		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-1		
Spleen		Hematopoietic Cell Proliferation	Minimal
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5660

**TRT#:** 2  
**DOSE:** 0 UL/RAT UF

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 734  
**HISTO:** 853094

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus	Endometrium	Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5661

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Clitoral Gland		Adenoma	
		Ectasia	Moderate
Note: CLITORAL GL LESION ON SLIDE #12			
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: [ CATARACT ] TGLs = 3-21			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 9-4			
Liver		Degeneration	Fatty, Moderate
		Inflammation	Chronic, Focal, Mild
Note: LEUKEMIA MONUC TGLs = 8-5			
Lung		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-19			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Skin	SOA-No Mass	Acanthosis	Mild
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5661

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 0 UL/RAT UF

**DISP:** Terminal Sacrifice

**HISTO:** 853095

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 6-6

Tissue NOS

Fibrosarcoma

Note: FIBROSARC TGLs = 4-20

Uterus

Dilatation

Mild

Note: DILATATION TGLs = 7-9,10-9

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5662

TRT#: 2

SEX: Female

DAY ON TEST: 569

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 4-19			
Heart		Cardiomyopathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Hyperplasia	Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-18			
Pituitary Gland	Pars Distalis	Adenoma	
		Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 3-1			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-6			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5663

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 2-18		
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney		Nephropathy	Mild
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 3-4		
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-6		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5664

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Eye	Retina	Atrophy Cataract	Moderate Mild
Note: CATARACT	TGLs = 1-18		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia Nephropathy	Mild Moderate
Note: NEPHROPATHY	TGLs = 2-4		
Liver	Bile Duct	Degeneration Hyperplasia Congestion Inflammation	Fatty, Mild Mild Mild Chronic, Mild
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5665

TRT#: 2

DOSE: 0 UL/RAT UF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 853099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

INSUFFICIENT TISSUE

Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
	Cornea	Inflammation	Moderate
Note: INFLAMMATION TGLs = 3-19			
Note: CATARACT TGLs = 3-19			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Moderate
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 2-4			
Liver		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Note: HYPERPLASIA TGLs = 1-18			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5665	<b>TRT#:</b> 2 <b>DOSE:</b> 0 UL/RAT UF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b> 853099
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Skin	Other	Acanthosis	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Atrophy	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5666

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Clitoral Gland		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		Hemorrhage	Mild
	Cornea	Inflammation	Mild
Note: INFLAMMATION TGLs = 8-21			
Note: CATARACT TGLs = 8-21			
Note: HEMORRHAGE TGLs = 9-21			
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Note: NEPHROPATHY TGLs = 6-4			
Liver		Degeneration	Fatty, Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5666	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> 0 UL/RAT UF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 853100

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HDN Lung	TGLs = 5-18		Alveolar/Bronchiolar Carcinoma Leukemia Mononuclear
Note: ALV BRON CARC Lymph Node	TGLs = 7-19,3	Mandibular Mesenteric	Leukemia Mononuclear Leukemia Mononuclear
Note: [ LEUKEMIA MONUC ] Mammary Gland	TGLs = 4-8,11-11		Fibroadenoma Lactation
Note: LACTATION Nose	TGLs = 1-12		Fungus
Note: FIBROADENOMA Pituitary Gland	TGLs = 2-20	Pars Distalis	Adenoma
Note: ADENOMA Spleen	TGLs = 10-1		Leukemia Mononuclear
Note: [ LEUKEMIA MONUC ] Thymus	TGLs = 3-6		Leukemia Mononuclear

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5667

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0 UL/RAT UF

DISP: Natural Death

HISTO: 853101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Clitoral Gland

OBSERVATIONS

Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 4-18		
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Moderate
		Inflammation	Chronic, Mild
Note: CONGESTION	TGLs = 2-2		
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-12		
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5667

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 724

**DOSE:** 0 UL/RAT UF

**DISP:** Natural Death

**HISTO:** 853101

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5668

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Bone	Bone Marrow
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-9			
Eye	Retina	Atrophy	Moderate
Note: CATARACT TGLs = 1-19		Cataract	Moderate
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Perirenal Tiss	Inflammation	Suppurative, Moderate
	Epithelium, Pelvis	Mineralization	Mild
Note: INFLAMMATION TGLs = 5-4			
Liver		Inflammation	Chronic, Focal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-5			
Note: LEUKEMIA MONUC TGLs = 6-5			
Lung		Leukemia Mononuclear	
Nose		Inflammation	Suppurative, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
Note: ADENOMA TGLs = 8-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5668

**TRT#:** 2  
**DOSE:** 0 UL/RAT UF

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 734  
**HISTO:** 853102

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen  
Note: LEUKEMIA MONUC TGLs = 3-6  
Thymus

Leukemia Mononuclear  
Cyst

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5669

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Fibrosis	Mild
		Inflammation	Suppurative, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA	TGLs = 2-19		
Nose		Fungus	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5670

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone		Hyperostosis	
Note: HYPEROSTOSIS TGLs = 4-20			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 1-18			
Heart		Cardiomyopathy	Moderate
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Note: NEPHROPATHY TGLs = 3-4			
Liver		Basophilic Focus	
		Inflammation	Chronic, Focal, Mild
Lung		Inflammation	Chronic, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
Note: FIBROADENOMA TGLs = 2-19			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Skin	Other	Acanthosis	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5670

**TRT#:** 2  
**DOSE:** 0 UL/RAT UF

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 734  
**HISTO:** 853104

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Forestomach

Hyperkeratosis

Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5671

TRT#: 2

SEX: Female

DAY ON TEST: 555

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Mild
	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-1,7-1			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: [ CATARACT ] TGLs = 1-18			
Kidney	Pelvis	Dilatation	Mild
	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Lactation	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5671

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 555

**DOSE:** 0 UL/RAT UF

**DISP:** Moribund Sacrifice

**HISTO:** 853105

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: FIBROADENOMA TGLs = 5-19

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-6,3-6

Uterus

Endometrium

Atrophy

Marked

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5672

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Ovary	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Bone Bone Marrow

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Intestine Large	Colon, Rectum	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-4			
Note: DEGEN TGLs = 3-4			
Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
			Leukemia Mononuclear

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5672

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853106

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 8-14,9-15,10-4

Note: LEUKEMIA MONUC TGLs = 6-16

Note: LEUKEMIA MONUC TGLs = 1-1

Mammary Gland

Lactation

Pancreas

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Adenoma

Spleen

Hematocyst

Leukemia Mononuclear

Note: HEMATOCYST TGLs = 2-4

Note: [ LEUKEMIA MONUC ] TGLs = 7-4

Stomach

Forestomach

Acanthosis

Marked

Forestomach

Hyperkeratosis

Marked

Forestomach, Serosa

Inflammation

Proliferative, Moderate

Glandular

Leukemia Mononuclear

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Note: INFLAMMATION TGLs = 5-5

Thymus

Leukemia Mononuclear

Tissue NOS

Abscess

Marked

Note: ABSCESS TGLs = 1-17

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5673

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Eye		Cataract	Moderate
		Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 3-20		
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 2-4		
Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Focal, Minimal
Note: HDN	TGLs = 7-18		
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5674

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Adenoma	
		Ectasia	Moderate
Note: ADENOMA	TGLs = 2-9		
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
		Hemorrhage	Mild
		Inflammation	Moderate
Note: CATARACT	TGLs = 1-18		
Note: INFLAMMATION	TGLs = 3-18		
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Carcinoma	
Kidney		Nephropathy	Mild
Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5675

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 6-18		
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Hyperplasia	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Minimal
Note: CONGESTION	TGLs = 5-2		
Mammary Gland		Fibroadenoma	
		Lactation	
Note: LACTATION	TGLs = 1-12		
Note: FIBROADENOMA	TGLs = 2-19		
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Note: HYPERPLASIA	TGLs = 7-1		
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5675

**TRT#:** 2  
**DOSE:** 0 UL/RAT UF

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 734  
**HISTO:** 853109

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland  
PRIMARY CAUSE OF DEATH

C Cell  
-

Carcinoma

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5676

TRT#: 2

SEX: Female

DAY ON TEST: 551

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Thyroid Gland	Trachea	Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Eye		Cataract	Moderate
		Cataract	Minimal
Note: [ CATARACT ] TGLs = 1-18			
Heart		Cardiomyopathy	Minimal
		Leukemia Monocytic	
Note: [ LEUKEMIA MONO ] TGLs = 5-10			
Kidney	Pelvis	Dilatation	Mild
		Nephropathy	Mild
Note: [ DILATATION ] TGLs = 3-4			
Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-5			
Lung		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Mammary Gland		Lactation	
Mesentery		Leukemia Mononuclear	
Pancreas		Fibrosis	Marked
		Leukemia Mononuclear	
Pituitary Gland		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5676

**TRT#:** 2  
**DOSE:** 0 UL/RAT UF

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 551  
**HISTO:** 853110

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 2-6

Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
	Glandular, Mucosa	Erosion	Focal, Mild
	Forestomach	Hemorrhage	Mild
	Forestomach	Hyperkeratosis	Moderate
Thymus		Leukemia Mononuclear	
Urinary Bladder		Inflammation	Chronic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5677

TRT#: 2

SEX: Female

DAY ON TEST: 562

DOSE: 0 UL/RAT UF

DISP: Natural Death

HISTO: 853111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Focal, Minimal
Lung		Congestion	Moderate
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-1		
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5678

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
Note: CATARACT	TGLs = 2-18	Cataract	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
	Prox Con Tub	Pigmentation	Moderate
Note: PIGMENT	TGLs = 3-4		
Liver	Centrilobular	Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
Note: DEGEN	TGLs = 4-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-6		
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Ulcer	Moderate
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5679

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Salivary Glands	Skin - Control	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Brain		Compression	
Note: COMPRESSION TGLs = 5-19			
Eye	Retina	Atrophy	Mild
Note: CATARACT TGLs = 1-20		Cataract	Moderate
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
Note: FIBROADENOMA TGLs = 3-21		Lactation	
Nose		Inflammation	Chronic, Mild
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 4-1			
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5679

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0 UL/RAT UF

**DISP:** Terminal Sacrifice

**HISTO:** 853113

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Endometrium

Atrophy

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5680

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA	TGLs = 2-19		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Skin	SOA-No Mass	Acanthosis	Mild
Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5681

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Clitoral Gland		Ectasia	Mild
		Inflammation	Chronic, Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 1-18			
Heart		Cardiomyopathy	Moderate
Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 2-4			
Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic, Focal, Minimal
Lung		Congestion	Mild
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1			
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5682

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Clitoral Gland		Ectasia	Mild
Eye		Cataract	Moderate
Note: CATARACT	TGLs = 1-19		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver		Angiectasis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Note: ANGIECTASIS	TGLs = 3-5		
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA	TGLs = 2-18		
Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
Note: ADENOMA	TGLs = 4-1		
Spleen		Hematopoietic Cell Proliferation	Mild
Urinary Bladder		Papilloma	
Note: PAPHILOMA	TGLs = 5-8		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5683

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 853117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Hyperplasia	Focal, Mild
Clitoral Gl			
Note: CLITORAL GL MASS WAS ACTUALLY MAMMARY GLAND			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 2-19			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Mild
Mammary Gland		Adenocarcinoma	
		Adenocarcinoma	
		Fibroadenoma	
		Lactation	
Note: ADENOCARC TGLs = 4-9			
Note: ADENOCARC TGLs = 1-18			
Note: FIBROADENOMA TGLs = 1-18			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1			
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5683

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0 UL/RAT UF

**DISP:** Terminal Sacrifice

**HISTO:** 853117

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Endometrium

Atrophy

Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5684

TRT#: 2

SEX: Female

DAY ON TEST: 683

DOSE: 0 UL/RAT UF

DISP: Natural Death

HISTO: 853118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Colon
Intestine Small - Duodenum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Uterus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Urinary Bladder			

OBSERVATIONS

Eye		Cataract	Moderate
		Hemorrhage	Moderate
Note: CATARACT	TGLs = 1-18		
Heart		Cardiomyopathy	Mild
Kidney	Prox Con Tub	Necrosis	Moderate
		Nephropathy	Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-5		
Lung		Congestion	Moderate
		Leukemia Mononuclear	
Note: CONGESTION	TGLs = 3-2		
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5685

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Brain		Compression	
Note: COMPRESSION	TGLs = 5-1		
Clitoral Gland		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-18		
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Liver	Peripheral	Degeneration	Fatty, Moderate
Note: DEGEN	TGLs = 3-5		
Mammary Gland		Adenoma	
		Lactation	
Note: ADENOMA	TGLs = 2-12		
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 4-1		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach	Acanthosis	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5685	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 0 UL/RAT UF	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853119

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Ulcer	Mild
Note: ULCER      TGLs = 6-7			
Uterus	Endometrium	Atrophy	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5686

TRT#: 2

SEX: Female

DAY ON TEST: 465

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland

OBSERVATIONS

Brain		Compression	
Kidney		Nephropathy	Moderate
Liver	Peripheral	Degeneration	Fatty, Moderate
Note: DEGEN	TGLs = 2-4		
Mammary Gland		Adenocarcinoma	
		Lactation	
Note: ADENOCARC	TGLs = 1-8		
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Minimal
	Forestomach	Hyperkeratosis	Minimal
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA	TGLs = 3-7		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5687

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: 0 UL/RAT UF

DISP: Terminal Sacrifice

HISTO: 843121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 2-21		
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 1-18		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Peripheral	Basophilic Focus	
	Bile Duct	Degeneration	Fatty, Mild
		Hyperplasia	Mild
		Inflammation	Chronic, Focal, Minimal
		Leukemia Mononuclear	
Lung		Inflammation	Chronic, Mild
Note: INFLAMMATION	TGLs = 7-19		
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
		Lactation	
Note: ADENOCARC	TGLs = 3-22		
Note: FIBROADENOMA	TGLs = 4-20		
Pancreas	Acinus	Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5687	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> 0 UL/RAT UF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 843121

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
Note: ANGIECTASIS	TGLs = 6-1		
Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Atrophy	Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5688

TRT#: 2

SEX: Female

DAY ON TEST: 656

DOSE: 0 UL/RAT UF

DISP: Natural Death

HISTO: 853122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Esophagus		Hyperkeratosis	Mild
Eye		Cataract	Moderate
Note: CATARACT TGLs = 4-18			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Liver		Degeneration	Fatty, Mild
Note: DEGEN TGLs = 2-5			
Lung		Congestion	Mild
Note: CONGESTION TGLs = 3-2			
Mammary Gland		Lactation	
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Ulcer	Mild
Note: ULCER TGLs = 1-7			
Thyroid Gland	C Cell	Carcinoma	
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5689

TRT#: 2

SEX: Female

DAY ON TEST: 612

DOSE: 0 UL/RAT UF

DISP: Moribund Sacrifice

HISTO: 853123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Brain		Compression	
Note: COMPRESSION TGLs = 8-1			
Eye	Retina	Atrophy	Mild
Note: CATARACT TGLs = 3-21		Cataract	Moderate
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 5-4			
Liver	Midzonal	Degeneration	Fatty, Marked
Note: DEGEN TGLs = 4-5			
Lung		Congestion	Moderate
Mammary Gland		Fibroadenoma	Multiple
Note: LACTATION TGLs = 2-12		Lactation	
Note: FIBROADENOMA TGLs = 6-19,7-20			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 9-1			
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Marked
	Forestomach	Ulcer	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5689

**TRT#:** 2  
**DOSE:** 0 UL/RAT UF

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 612  
**HISTO:** 853123

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ULCER      TGLs = 10-7

Uterus	Endometrium	Atrophy	Moderate
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5756

**TRT#:** 4  
**DOSE:** 100 UL RAT LF

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 456  
**HISTO:** 853190

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**OBSERVATIONS**

Liver  
Spleen

Necrosis  
Necrosis  
Pigmentation

Focal, Moderate  
Focal, Moderate  
Hemosiderin, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5759

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 100 UL RAT LF

**DISP:** Scheduled Sacrifice

**HISTO:** 853193

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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Nose		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Pigmentation	Hemosiderin, Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5760

TRT#: 4

SEX: Female

DAY ON TEST: 567

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Esophagus		Hyperkeratosis	Mild
Eye		Cataract	Moderate
Intestine Large	Colon	Edema	Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney	Collect Tub	Casts	
	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Note: CASTS TGLs = 7-4			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
Note: LEUKEMIA MONUC TGLs = 6-5			
Lung		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
Mammary Gland		Lactation	
Mesentery	Fat	Granuloma	Moderate
Note: [ GRANULOMA ] TGLs = 4-18			
Nose		Foreign Body	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5760	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 567
	<b>DOSE:</b> 100 UL RAT LF	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853194

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Ovary		Atrophy	Mild
Pancreas	Acinus	Atrophy	Minimal
		Edema	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
Note: ADENOMA	TGLs = 9-1		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-6		
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Moderate
	Forestomach	Hyperkeratosis	Moderate
Thymus		Depletion Lymphoid	Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5761

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Osteopetrosis	Moderate
Note: [ OSTEOPETROSIS ] TGLs = 4-20			
Clitoral Gland		Inflammation	Chronic, Moderate
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT TGLs = 3-19			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 1-12			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5762

TRT#: 4

SEX: Female

DAY ON TEST: 654

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Spleen	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Compression Hydrocephalus	Moderate
Note: COMPRESSION TGLs = 6-1			
Note: HYDROCEPHALUS TGLs = 6-1			
Eye	Retina	Atrophy Cataract	Moderate Moderate
Note: CATARACT TGLs = 1-18			
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DDIAGNOSIS SITE NOT SPECIFIED.			
Kidney		Nephropathy	Mild
Liver	Subserosa Peripheral	Angiectasis Degeneration	Mild Fatty, Mild
Note: ANGIECTASIS TGLs = 4-5			
Lung		Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 5-2			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 2-12			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-1			
Stomach	Forestomach Forestomach	Acanthosis Hyperkeratosis	Mild Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5762

**TRT#:** 4  
**DOSE:** 100 UL RAT LF

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 654  
**HISTO:** 853196

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5763

TRT#: 4

SEX: Female

DAY ON TEST: 419

DOSE: 100 UL RAT LF

DISP: Natural Death

HISTO: 853197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland	Intestine Small - Ileum
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum
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OBSERVATIONS

Blood Vessel Note: [ POLYARTERITIS ] TGLs = 4-14		Polyarteritis	Marked
Heart		Cardiomyopathy	Mild
Kidney	Perirenal Tiss	Inflammation	Suppurative, Mild
		Inflammation	Suppurative, Moderate
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
	Periportal	Infiltration Cellular	Mixed Cell, Marked
Note: INFILTRAT CELL TGLs = 3-4			
Mammary Gland		Lactation	
Mesentery			
Note: GROSS LESION WAS VASCULAR - SEE BLOOD VESSEL			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-4			
Thymus		Congestion	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5764

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Esophagus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA	TGLs = 2-18		
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Mild
Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Focal, Mild
Note: HDN	TGLs = 4-19		
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 3-12		
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Skin	Other	Inflammation	Chronic, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5764

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 100 UL RAT LF

**DISP:** Terminal Sacrifice

**HISTO:** 853198

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

Follicle

Dilatation

Mild

Uterus

Endometrium

Atrophy

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5765

TRT#: 4

SEX: Female

DAY ON TEST: 568

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland

OBSERVATIONS

Eye		Cataract	Moderate
Note: CATARACT	TGLs = 1-19		
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Prox Con Tub	Pigmentation	Marked
Note: PIGMENT	TGLs = 8-4		
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-5		
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 2-12		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6		
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Ulcer	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5765

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 568

**DOSE:** 100 UL RAT LF

**DISP:** Moribund Sacrifice

**HISTO:** 853199

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5766

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Compression	
Note: COMPRESSION	TGLs = 11-1		
Note: COMPRESSION	TGLs = 10-18		
Clitoral Gland		Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
Note: HYPERPLASIA	TGLs = 4-9		
Note: INFLAMMATION	TGLs = 4-9		
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
	Cornea	Inflammation	Moderate
Note: INFLAMMATION	TGLs = 2-21		
Note: CATARACT	TGLs = 2-21		
Heart		Cardiomyopathy	Minimal
Kidney	Pelvis	Dilatation	Mild
	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 6-4,7-4		
Liver		Degeneration	Fatty, Moderate
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Focal, Mild
Note: HDN	TGLs = 12-19		
Note: DEGEN	TGLs = 8-5		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5766

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 100 UL RAT LF

**DISP:** Terminal Sacrifice

**HISTO:** 853200

**ORGAN AND ACCOUNTABLE SITE STATUS**

Mammary Gland Note: LACTATION TGLs = 3-12			Lactation	
Pituitary Gland Note: ADENOMA TGLs = 9-1		Pars Distalis	Adenoma	
Spleen			Hematopoietic Cell Proliferation Pigmentation	Mild Hemosiderin, Mild
Uterus		Endometrium	Atrophy	Mild
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5767

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853201

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin - Control  
Uterus

Bone  
Esophagus  
Intestine Small - Duodenum  
Lung  
Pancreas  
Stomach - Forestomach

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Glandular

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Trachea

**MISSING**

Thymus

**INSUFFICIENT TISSUE**

Urinary Bladder

**OBSERVATIONS**

Adrenal Gland  
Eye

Cortex  
Retina  
Cornea

Hyperplasia  
Atrophy  
Cataract  
Inflammation

Focal, Minimal  
Mild  
Moderate  
Mild

Note: INFLAMMATION TGLs = 1-19  
Note: CATARACT TGLs = 1-19

Heart  
Kidney

Epithelium, Pelvis  
Epithelium, Pelvis

Cardiomyopathy  
Hyperplasia  
Mineralization  
Nephropathy

Mild  
Mild  
Minimal  
Moderate

Note: NEPHROPATHY TGLs = 3-4

Liver

Angiectasis  
Basophilic Focus  
Hyperplasia

Moderate  
Mild

Note: ANGIECTASIS TGLs = 4-18

Mammary Gland  
Nose  
Pituitary Gland

Pars Distalis

Lactation  
Inflammation  
Hyperplasia

Chronic, Mild  
Focal, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5767

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 100 UL RAT LF

**DISP:** Terminal Sacrifice

**HISTO:** 853201

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA	TGLs = 5-11		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5768

TRT#: 4

SEX: Female

DAY ON TEST: 645

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Clitoral Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular	Nose
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-1			
Esophagus		Hyperkeratosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Note: CATARACT TGLs = 1-18			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Leukemia Mononuclear	
Kidney	Epithelium, Pelvis	Hyperplasia	Moderate
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-5			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-8			
Note: LEUKEMIA MONUC TGLs = 9-20			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 2-12			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5768

TRT#: 4

SEX: Female

DAY ON TEST: 645

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853202

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-19		
Ovary		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Note: ADENOMA	TGLs = 7-1		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6		
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Moderate
	Glandular	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINL DIAGNOSIS SITE NOT SPECIFIED.			
Thymus		Leukemia Mononuclear	
Thyroid Gland	Follicle	Dilatation	Mild
Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5769

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Parathyroid Gland
Salivary Glands	Skin - Control	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Brain		Compression	
Note: COMPRESSION	TGLs = 8-19		
Note: COMPRESSION	TGLs = 10-19		
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
	Cornea	Inflammation	Minimal
Note: CATARACT	TGLs = 2-22		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA	TGLs = 9-20		
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 4-4		
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Lactation	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5769

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853203

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: FIBROADENOMA	TGLs = 3-21		
Nose		Inflammation	Chronic, Mild
Pancreas		Atrophy	Moderate
Pituitary Gland		Adenoma	
Note: ADENOMA	TGLs = 7-1		
Skin		Acanthosis	Minimal
Spleen		Hemangiosarcoma	
		Leukemia Mononuclear	
Note: HEMANGIOSARC	TGLs = 6-6		
Uterus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5770

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Salivary Glands  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Skin - Control  
Thyroid Gland

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Eye

Cortex  
Retina

Hyperplasia  
Atrophy  
Cataract

Focal, Minimal  
Mild  
Mild

Note: CATARACT TGLs = 2-19

Heart  
Kidney

Epithelium, Pelvis  
Epithelium, Pelvis

Cardiomyopathy  
Hyperplasia  
Mineralization  
Nephropathy

Mild  
Mild  
Minimal  
Mild

Liver

Bile Duct

Hepatodiaphragmatic Nodule  
Hyperplasia  
Inflammation

Mild  
Chronic, Focal, Mild

Note: HDN TGLs = 4-18

Lung

Congestion  
Inflammation  
Lactation

Mild  
Chronic, Mild

Mammary Gland

Note: LACTATION TGLs = 1-12

Nose

Inflammation

Chronic, Mild

Pancreas

Acinus

Atrophy

Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 3-1

Skin

SOA-No Mass

Acanthosis

Mild

Spleen

Hematopoietic Cell Proliferation

Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5770

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 100 UL RAT LF

**DISP:** Terminal Sacrifice

**HISTO:** 853204

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus

Endometrium

Pigmentation

Hemosiderin, Mild

Atrophy

Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5771

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
	Cortex	Hyperplasia	Focal, Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 6-9		
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 5-20		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 3-4		
Liver		Angiectasis	Mild
		Clear Cell Focus	
Note: ANGIECTASIS	TGLs = 2-18		
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA	TGLs = 1-19		
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5771

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 100 UL RAT LF

**DISP:** Terminal Sacrifice

**HISTO:** 853205

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA TGLs = 4-1

Spleen

Stomach

Forestomach

Forestomach

Hematopoietic Cell Proliferation

Acanthosis

Hyperkeratosis

Mild

Mild

Mild

Note: ACANTHOSIS TGLs = 7-7

Uterus

Endometrium

Atrophy

Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5772

TRT#: 4

SEX: Female

DAY ON TEST: 573

DOSE: 100 UL RAT LF

DISP: Natural Death

HISTO: 853206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Clitoral Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Brain		Carcinoma	Metastatic (Uncertain Primary Site)
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 1-2		
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 2-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Pigmentation	Hemosiderin, Moderate
Thymus		Cyst	
Uterus	Endometrium	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5773

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 100 UL RAT LF

DISP: Natural Death

HISTO: 853207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Clitoral Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 7-19			
Heart		Cardiomyopathy	Mild
Kidney	Prox Con Tub	Necrosis	Marked
Liver	Bile Duct	Hyperplasia	Mild
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA TGLs = 2-18			
Note: LACTATION TGLs = 1-12			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-1			
Skin	SOA-No Mass	Acanthosis	Minimal
Thymus		Depletion Lymphoid	Mild
Uterus	Endometrium	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5773

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 659

**DOSE:** 100 UL RAT LF

**DISP:** Natural Death

**HISTO:** 853207

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5774

TRT#: 4

SEX: Female

DAY ON TEST: 640

DOSE: 100 UL RAT LF

DISP: Natural Death

HISTO: 853208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Note: CATARACT	TGLs = 1-18		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Moderate
Mammary Gland		Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 2-12		
Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ]	TGLs = 3-1		
Stomach	Forestomach	Hyperkeratosis	Mild
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5775

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Focal, Mild
Note: HDN	TGLs = 4-18		
Note: CLEAR CL FOCUS	TGLs = 5-19		
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-12		
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5775

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 100 UL RAT LF

**DISP:** Terminal Sacrifice

**HISTO:** 853209

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Uterus

Note: POLYP STROMAL TGLs = 3-9

Pigmentation

Polyp Stromal

Hemosiderin, Moderate

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5776

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Cytomegaly	Moderate
Kidney	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Moderate
Liver		Clear Cell Focus	
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
Note: FIBROADENOMA	TGLs = 3-19		
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
Note: ANGIECTASIS	TGLs = 4-1		
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5777

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 4-19		
Intestine Large	Colon	Parasite Metazoan	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Islets, Pancreatic		Carcinoma	
Kidney	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 2-4		
Liver		Basophilic Focus	
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5778

TRT#: 4

SEX: Female

DAY ON TEST: 687

DOSE: 100 UL RAT LF

DISP: Natural Death

HISTO: 853212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 6-18		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 3-4		
Liver		Congestion	Moderate
	Bile Duct	Hyperplasia	Minimal
Lung		Congestion	Moderate
Note: CONGESTION	TGLs = 4-2		
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Note: HYPERPLASIA	TGLs = 1-12		
Note: LACTATION	TGLs = 1-12		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-1		
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus	Endometrium	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5778

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 687

**DOSE:** 100 UL RAT LF

**DISP:** Natural Death

**HISTO:** 853212

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5779

TRT#: 4

SEX: Female

DAY ON TEST: 673

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Marked
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 2-18			
Kidney	Epithelium, Pelvis	Hyperplasia	Marked
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-5			
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Acanthosis	Mild
Tissue NOS		Basosquamous Tumor Malignant	
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5779

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 673

**DOSE:** 100 UL RAT LF

**DISP:** Moribund Sacrifice

**HISTO:** 853213

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5780

TRT#: 4

SEX: Female

DAY ON TEST: 494

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Esophagus		Hyperkeratosis	Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
		Inflammation	Chronic, Moderate
		Phthisis Bulbi	Marked
Note: INFLAMMATION TGLs = 3-18			
Note: [ PHTHISIS BULBI ] TGLs = 2-18			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
Note: CONGESTION TGLs = 1-2			
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
Thyroid Gland	C Cell	Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5780

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 494

**DOSE:** 100 UL RAT LF

**DISP:** Moribund Sacrifice

**HISTO:** 853214

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5781

TRT#: 4

SEX: Female

DAY ON TEST: 713

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT TGLs = 1-18			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 6-4			
Liver	Midzonal	Degeneration	Fatty, Mild
Lung		Congestion	Mild
Note: CONGESTION TGLs = 8-2			
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
		Lactation	
Note: FIBROADENOMA TGLs = 2-19,3-21			
Mesentery		Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 10-20			
Pancreas	Acinus	Atrophy	Mild
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 9-1			
Spleen		Congestion	Moderate
		Pigmentation	Hemosiderin, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5781

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 713

**DOSE:** 100 UL RAT LF

**DISP:** Moribund Sacrifice

**HISTO:** 853215

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: CONGESTION      TGLs = 4-6  
Stomach

Forestomach  
Forestomach  
Glandular, Mucosa  
Forestomach  
Forestomach

Acanthosis  
Edema  
Erosion  
Hyperkeratosis  
Ulcer

Moderate  
Moderate  
Focal, Moderate  
Moderate  
Moderate

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Note: ULCER      TGLs = 11-7

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5782

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Compression	
Note: COMPRESSION	TGLs = 5-1,5-19		
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-21		
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Moderate
Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
Note: ANGIECTASIS	TGLs = 4-1		
Note: ADENOMA	TGLs = 4-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5783

TRT#: 4

SEX: Female

DAY ON TEST: 434

DOSE: 100 UL RAT LF

DISP: Natural Death

HISTO: 853217

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**MISSING**

Clitoral Gland	Mammary Gland	Nose	Skin - Control
Skin - Site of Application-No Mass			

**OBSERVATIONS**

Kidney	Pelvis	Dilatation	Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Moderate
Note: CONGESTION TGLs = 1-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-1			
Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5784

TRT#: 4

SEX: Female

DAY ON TEST: 545

DOSE: 100 UL RAT LF

DISP: Natural Death

HISTO: 853218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-5		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-2		
Mammary Gland		Lactation	
Pituitary Gland		Angiectasis	Marked
	Pars Distalis	Hyperplasia	Focal, Moderate
Note: ANGIECTASIS	TGLs = 4-1		
Note: HYPERPLASIA	TGLs = 4-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5785

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Eye		Cataract	Moderate
Note: CATARACT	TGLs = 8-19		
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 5-4		
Liver	Peripheral	Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Minimal
Note: DEGEN	TGLs = 3-5		
Mammary Gland		Adenocarcinoma	
		Lactation	
Note: ADENOCARC	TGLs = 1-12		
Pancreas	Acinus	Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5786

TRT#: 4

SEX: Female

DAY ON TEST: 675

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Leukemia Mononuclear	
Clitoral Gland		Fibrosis	Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 2-18			
Heart		Leukemia Mononuclear	
		Leukemia Mononuclear	
Intestine Small	Duodenum, Mucosa	Erosion	Focal, Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
Note: LEUKEMIA MONUC TGLs = 4-5			
Lung		Hemorrhage	Moderate
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Note: HEMORRHAGE TGLs = 6-2			
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
		Hyperplasia	Marked
Note: ADENOCARC TGLs = 3-19			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5786	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 675
	<b>DOSE:</b> 100 UL RAT LF	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853220

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: FIBROADENOMA	TGLs = 5-20			
Pancreas		Acinus	Atrophy	Mild
			Cytoplasmic Alteration	Focal, Mild
Pituitary Gland			Leukemia Mononuclear	
Spleen			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-6			
Stomach		Forestomach	Acanthosis	Minimal
Thyroid Gland		C Cell	Hyperplasia	Minimal
Uterus		Endometrium	Atrophy	Minimal

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5787

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Ectasia	Mild
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 2-19		
Heart		Cardiomyopathy	Moderate
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Pancreas		Leukemia Mononuclear	
Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
Note: [ ANGIECTASIS ]	TGLs = 4-1		
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5788

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 4-20		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 3-4		
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Focal, Mild
Note: HDN	TGLs = 5-19		
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5789

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Clitoral Gland		Inflammation	Chronic, Moderate
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 7-19			
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Renal Tubule	Mineralization	Mild
		Nephropathy	Mild
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: HDN TGLs = 8-18			
Note: LEUKEMIA MONUC TGLs = 5-5			
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Note: LACTATION TGLs = 2-12			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-1			
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5789

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 100 UL RAT LF

**DISP:** Terminal Sacrifice

**HISTO:** 853223

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 4-6

Thyroid Gland

Follicular Cel

Carcinoma

Note: CARCINOMA TGLs = 3-11

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5790

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Eye	Retina	Atrophy	Mild
Note: CATARACT	TGLs = 1-18	Cataract	Moderate
Kidney		Nephropathy	Mild
Liver		Inflammation	Chronic, Focal, Minimal
Lung		Congestion	Mild
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 2-12		
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5791

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
Note: CATARACT TGLs = 4-20		Cataract	Moderate
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 2-4			
Liver		Angiectasis	Mild
Note: DEGEN TGLs = 3-5		Degeneration	Fatty, Mild
Note: ANGIECTASIS TGLs = 7-19		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 6-12			
Nose		Inflammation	Chronic, Mild
Ovary		Cyst	
Note: CYST TGLs = 8-9			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5791

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 100 UL RAT LF

**DISP:** Terminal Sacrifice

**HISTO:** 853225

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus

Endometrium

Atrophy

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5792

TRT#: 4

SEX: Female

DAY ON TEST: 650

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin - Control	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 1-18			
Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	
Note: THROMBUS TGLs = 5-10			
Kidney		Nephropathy	Minimal
Liver	Peripheral	Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: DEGEN TGLs = 4-5			
Lung		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA TGLs = 2-12			
Parathyroid Gland		Hypertrophy	Minimal
Skin	SOA-No Mass	Acanthosis	Minimal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5792	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 650
	<b>DOSE:</b> 100 UL RAT LF	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853226

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6		
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Ulcer	Moderate
Uterus	Endometrium	Atrophy	Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5793

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Brain		Carcinoma	Metastatic (Uncertain Primary Site)
Note: CARCINOMA	TGLs = 6-1		
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 1-21		
Intestine Large	Colon	Parasite Metazoan	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Moderate
Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Note: HDN	TGLs = 7-19		
Note: [ HDN ]	TGLs = 4-18		
Lung		Congestion	Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
		Lactation	
Note: LACTATION	TGLs = 2-12		
Note: HYPERPLASIA	TGLs = 2-12		
Note: FIBROADENOMA	TGLs = 3-20		
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5793

**TRT#:** 4  
**DOSE:** 100 UL RAT LF

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 735  
**HISTO:** 853227

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pituitary Gland Note: CARCINOMA Spleen	TGLs = 5-1	Pars Distalis	Inflammation Carcinoma	Chronic, Mild
Thyroid Gland		C Cell	Hematopoietic Cell Proliferation Pigmentation Carcinoma	Minimal Hemosiderin, Mild
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5794

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Salivary Glands	Skin - Control
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 3-9			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 1-20			
Kidney		Nephropathy	Mild
Liver		Degeneration	Fatty, Mild
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Focal, Moderate
Note: HDN TGLs = 5-18			
Lung		Congestion	Mild
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA TGLs = 2-19			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland		Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 6-1			
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5795

TRT#: 4

SEX: Female

DAY ON TEST: 655

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Parathyroid Gland	Skin - Control	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood Vessel			
Note: BLOOD VESSEL NORMAL - LESION IN SURROUNDING TISSUE (NOS)			
Clitoral Gland		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-9			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
	Cornea	Inflammation	Moderate
Note: INFLAMMATION TGLs = 14-22			
Note: CATARACT TGLs = 12-22			
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Note: LEUKEMIA MONUC TGLs = 10-4			
Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-5			
Lung		Inflammation	Chronic, Mild
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5795

TRT#: 4

SEX: Female

DAY ON TEST: 655

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853229

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC	TGLs = 13-2		
Lymph Node		Deep Cervical	Leukemia Mononuclear
		Lumbar	Leukemia Mononuclear
		Mediastinal	Leukemia Mononuclear
		Mesenteric	Leukemia Mononuclear
		Renal	Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 1-11		
Note: LEUKEMIA MONUC	TGLs = 17-18		
Note: LEUKEMIA MONUC	TGLs = 18-19		
Note: LEUKEMIA MONUC	TGLs = 19-20		
Note: INGUINAL NODE NOT PRESENT - LESION IN MAMMARY GLAND			
Mammary Gland			Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 3,4-12,24,9		
Nose		Nasolacrim Dct	Inflammation
Ovary			Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 7-9		
Pancreas		Acinus	Atrophy
			Mild
			Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 15-6		
Pituitary Gland		Pars Distalis	Adenoma
Note: ADENOMA	TGLs = 16-1		
Salivary Glands			Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 2-11		
Skin		SOA-No Mass	Acanthosis
Spleen			Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 8-6		
Stomach		Glandular	Leukemia Mononuclear
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Thyroid Gland			Leukemia Mononuclear
Tissue NOS			Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 11-23		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5795

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 655

**DOSE:** 100 UL RAT LF

**DISP:** Moribund Sacrifice

**HISTO:** 853229

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-9

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5796

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

INSUFFICIENT TISSUE

Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Hemorrhage	Focal, Mild
Note: HEMORRHAGE TGLs = 6-1			
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT TGLs = 5-19			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 2-4			
Liver	Peripheral	Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Minimal
Note: DEGEN TGLs = 3-5			
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Moderate
	Forestomach	Hyperkeratosis	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5796

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 100 UL RAT LF

**DISP:** Terminal Sacrifice

**HISTO:** 853230

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Forestomach

Ulcer

Moderate

Note: ACANTHOSIS TGLs = 8-7

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 7-9

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5797

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Mild
Note: CATARACT	TGLs = 2-18		
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-12		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5798

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 2-18		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 1-4		
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5799

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Ear	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone		Osteopetrosis	Moderate
Clitoral Gland		Ectasia	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-19		
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 2-4		
Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Mild
Mammary Gland		Lactation	
Nose		Inflammation	Suppurative, Mild
Parathyroid Gland		Hypertrophy	Mild
Note: HYPERTROPHY	TGLs = 3-11		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Note: HYPERPLASIA	TGLs = 4-1		
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Acanthosis	Mild
Zymbal's Gland		Abscess	Marked
		Carcinoma	
Note: ABSCESS	TGLs = 5-18		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5799

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 100 UL RAT LF

**DISP:** Terminal Sacrifice

**HISTO:** 853233

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ CARCINOMA ] TGLs = 5-18

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5800

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Thyroid Gland	Trachea

MISSING

Pituitary Gland	Thymus	Urinary Bladder
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OBSERVATIONS

Adrenal Gland	Cortex	Thrombosis	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Clitoral Gland		Cyst	
Eye		Cataract	Moderate
Note: CATARACT TGLs = 1-18			
Heart	Atrium	Thrombosis	
Intestine Large	Colon	Edema	Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney	Renal Tubule	Necrosis	Marked
	Prox Con Tub	Pigmentation	Moderate
Liver	Peripheral	Degeneration	Fatty, Moderate
		Necrosis	Mild
Note: DEGEN TGLs = 3-5			
Mammary Gland		Lactation	
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-6			
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
	Glandular	Ulcer	Moderate
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5800

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** 100 UL RAT LF

**DISP:** Moribund Sacrifice

**HISTO:** 853234

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5801

TRT#: 4

SEX: Female

DAY ON TEST: 551

DOSE: 100 UL RAT LF

DISP: Natural Death

HISTO: 853235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver		Inflammation	Chronic, Focal, Minimal
Lung		Congestion	Moderate
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate
Uterus	Endometrium	Atrophy	Mild

Note: ATROPHY TGLs = 1-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5802

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 2-19		
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic, Focal, Mild
Lung		Inflammation	Chronic, Minimal
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Spleen		Leukemia Mononuclear	
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5803

TRT#: 4

SEX: Female

DAY ON TEST: 555

DOSE: 100 UL RAT LF

DISP: Natural Death

HISTO: 853237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Clitoral Gland

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Jejunum

Islets, Pancreatic

Liver

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin - Control

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Bone

Bone Marrow

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Brain

Compression

Note: COMPRESSION TGLs = 1-1

Kidney

Epithelium, Pelvis

Hyperplasia

Mild

Nephropathy

Mild

Lung

Congestion

Moderate

Mammary Gland

Lactation

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 2-1

Skin

SOA-No Mass

Acanthosis

Minimal

Spleen

Pigmentation

Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5804

TRT#: 4

SEX: Female

DAY ON TEST: 574

DOSE: 100 UL RAT LF

DISP: Moribund Sacrifice

HISTO: 853238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Uterus		

MISSING

Clitoral Gland	Mammary Gland
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OBSERVATIONS

Bone Marrow		Hypoplasia	Marked
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-20		
Kidney		Carcinoma	
	Pelvis	Dilatation	Mild
	Epithelium, Pelvis	Hyperplasia	Mild
Note: CARCINOMA	TGLs = 10-18		
Liver		Angiectasis	Moderate
		Inflammation	Chronic, Focal, Moderate
		Mitotic Alteration	Marked
Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 11-1		
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 6-6		
Thyroid Gland		Ultimobranchial Cyst	
Urinary Bladder	Lumen	Hemorrhage	Moderate
Note: HEMORRHAGE	TGLs = 5-8		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5804

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 574

**DOSE:** 100 UL RAT LF

**DISP:** Moribund Sacrifice

**HISTO:** 853238

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5805

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Thymus

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin - Control  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pituitary Gland  
Stomach - Glandular

OBSERVATIONS

Eye  
Note: CATARACT TGLs = 2-21

Cataract Mild

Heart  
Kidney  
Liver

Cardiomyopathy Minimal  
Nephropathy Mild  
Basophilic Focus  
Hepatodiaphragmatic Nodule  
Inflammation

Chronic, Focal, Mild

Note: HDN TGLs = 5-19  
Mammary Gland

Fibroadenoma  
Lactation

Note: FIBROADENOMA TGLs = 4-20

Nose  
Pancreas  
Skin  
Spleen

Acinus  
SOA-No Mass

Inflammation  
Atrophy  
Acanthosis  
Hematopoietic Cell Proliferation  
Pigmentation

Chronic, Mild  
Mild  
Minimal  
Mild  
Hemosiderin, Mild

Thyroid Gland  
Uterus  
Note: DILATATION TGLs = 6-9

Follicle

Dilatation Mild  
Dilatation Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5807

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
	Cornea	Hyperplasia	Squamous, Focal, Moderate
Note: CATARACT TGLs = 1-19			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Focal, Minimal
Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 2-12			
Note: FIBROADENOMA TGLs = 3-18			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5808

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 100 UL RAT LF

DISP: Terminal Sacrifice

HISTO: 853242

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Thymus

**OBSERVATIONS**

Adrenal Gland	Cortex	Adenoma	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-20		
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 4-4		
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Skin	SOA-No Mass	Acanthosis	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Dilatation	Mild
Note: DILATATION	TGLs = 6-9		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5809

TRT#: 4

SEX: Female

DAY ON TEST: 600

DOSE: 100 UL RAT LF

DISP: Natural Death

HISTO: 853243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Lymph Node - Mandibular  
Salivary Glands  
Thymus

Adrenal Gland - Medulla  
Clitoral Gland  
Nose  
Skin - Control  
Trachea

Bone  
Esophagus  
Ovary  
Stomach - Forestomach  
Urinary Bladder

Bone Marrow  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Glandular  
Uterus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum  
Intestine Small - Ileum

Intestine Large - Colon  
Intestine Small - Jejunum

Intestine Large - Rectum

Intestine Small - Duodenum

OBSERVATIONS

Eye  
Note: CATARACT TGLs = 5-18  
Heart  
Kidney  
Liver  
Note: LEUKEMIA MONUC TGLs = 3-5  
Lung  
Lymph Node  
Note: LEUKEMIA MONUC TGLs = 6-8  
Mammary Gland  
Pancreas  
Pituitary Gland  
Note: ADENOMA TGLs = 4-1  
Skin  
Spleen  
Note: INFARCT TGLs = 2-6  
Note: LEUKEMIA MONUC TGLs = 1-6  
Thyroid Gland

Epithelium, Pelvis  
Mesenteric  
Acinus  
Pars Distalis  
SOA-No Mass  
C Cell

Cataract  
Cardiomyopathy  
Hyperplasia  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Lactation  
Atrophy  
Adenoma  
Acanthosis  
Infarct  
Leukemia Mononuclear  
Carcinoma

Moderate  
Minimal  
Mild  
Mild  
Minimal  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

**ANIMAL ID:** 5870

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 300 UL RAT HF

**DISP:** Scheduled Sacrifice

**HISTO:** 853309

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skin - Control  
Thymus  
Uterus

Bone  
Esophagus  
Intestine Large - Rectum  
Liver  
Mammary Gland  
Parathyroid Gland  
Skin - Site of Application-No Mass  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

**OBSERVATIONS**

Kidney  
Spleen

Nephropathy  
Pigmentation

Minimal  
Hemosiderin, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

**ANIMAL ID:** 5871

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 300 UL RAT HF

**DISP:** Scheduled Sacrifice

**HISTO:** 853305

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Lung  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Ovary  
Skin - Control  
Thymus  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pancreas  
Skin - Site of Application-No Mass  
Thyroid Gland

**OBSERVATIONS**

Heart  
Kidney  
Liver  
Pituitary Gland  
Spleen

Pars Distalis

Cardiomyopathy  
Nephropathy  
Inflammation  
Hyperplasia  
Pigmentation

Minimal  
Minimal  
Granulomatous, Focal, Mild  
Focal, Minimal  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5872

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 300 UL RAT HF

DISP: Scheduled Sacrifice

HISTO: 853306

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Lung  
Ovary  
Skin - Control  
Thymus  
Uterus

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Skin - Site of Application-No Mass  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

**OBSERVATIONS**

Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia Nephropathy	Minimal Mild
Liver	Bile Duct	Hyperplasia	Mild
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

**ANIMAL ID:** 5873

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 300 UL RAT HF

**DISP:** Scheduled Sacrifice

**HISTO:** 853307

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Cortex	Mineralization	Focal, Mild
Liver	Bile Duct	Hyperplasia	Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Nose		Exudate	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5874

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 300 UL RAT HF

DISP: Scheduled Sacrifice

HISTO: 853308

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Lung  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Skin - Control  
Thymus  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin - Site of Application-No Mass  
Thyroid Gland

**OBSERVATIONS**

Heart  
Kidney  
Liver  
Mammary Gland  
Spleen

Epithelium, Pelvis  
Bile Duct

Cardiomyopathy  
Mineralization  
Hyperplasia  
Hyperplasia  
Pigmentation

Minimal  
Focal, Minimal  
Mild  
Cystic, Mild  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5875

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 300 UL RAT HF

DISP: Scheduled Sacrifice

HISTO: 853309

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Focal, Minimal
Liver	Bile Duct	Nephropathy	Minimal
		Hyperplasia	Minimal
		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Moderate
Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5876

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 300 UL RAT HF

DISP: Scheduled Sacrifice

HISTO: 853310

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**OBSERVATIONS**

Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Focal, Mild
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Minimal
Mammary Gland		Hyperplasia	Cystic, Moderate
Nose		Foreign Body	Moderate
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5877

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 300 UL RAT HF

DISP: Scheduled Sacrifice

HISTO: 853311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Lung  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Ovary  
Skin - Control  
Thymus  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin - Site of Application-No Mass  
Thyroid Gland

OBSERVATIONS

Heart  
Kidney

Epithelium, Pelvis  
Epithelium, Pelvis

Cardiomyopathy  
Hyperplasia  
Mineralization  
Nephropathy  
Hyperplasia  
Atrophy  
Pigmentation

Minimal  
Minimal  
Focal, Minimal  
Minimal  
Mild  
Mild  
Hemosiderin, Mild

Liver  
Pancreas  
Spleen

Bile Duct  
Acinus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

**ANIMAL ID:** 5878

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 300 UL RAT HF

**DISP:** Scheduled Sacrifice

**HISTO:** 853312

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Liver  
Mammary Gland  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin - Control  
Thymus  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin - Site of Application-No Mass  
Thyroid Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Nose		Foreign Body	Mild
Pancreas	Acinus	Atrophy	Mild
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5879

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 300 UL RAT HF

DISP: Scheduled Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pancreas  
Skin - Control  
Thymus  
Uterus

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Parathyroid Gland  
Skin - Site of Application-No Mass  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Rectum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

**OBSERVATIONS**

Kidney	Cortex	Mineralization Nephropathy	Focal, Mild Mild
Liver	Bile Duct	Hyperplasia	Minimal
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5880

TRT#: 6

SEX: Female

DAY ON TEST: 626

DOSE: 300 UL RAT HF

DISP: Natural Death

HISTO: 853314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Minimal
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 3-18		
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Moderate
Note: CONGESTION	TGLs = 2-3		
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Skin	SOA-No Mass	Acanthosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5881

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-19		
Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	
		Inflammation	Chronic, Focal, Mild
Note: CLEAR CL FOCUS	TGLs = 4-5		
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5882

TRT#: 6

SEX: Female

DAY ON TEST: 569

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT TGLs = 5-19			
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
		Nephropathy	Mild
Liver		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Mild
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Mammary Gland		Lactation	
Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 1-6			
Thymus		Depletion Lymphoid	Minimal
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA TGLs = 3-11			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:06

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5882

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 569

**DOSE:** 300 UL RAT HF

**DISP:** Moribund Sacrifice

**HISTO:** 853316

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Uterus

Endometrium

Atrophy

Moderate

Schwannoma Malignant

Note: [ SCHWANNOMA MAL ] TGLs = 2-18

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

**ANIMAL ID:** 5883

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 595

**DOSE:** 300 UL RAT HF

**DISP:** Natural Death

**HISTO:** 853317

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin - Control	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

**MISSING**

Clitoral Gland

**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

**OBSERVATIONS**

Eye	Retina	Atrophy Cataract	Moderate Moderate
Note: CATARACT      TGLs = 1-18			
Kidney	Epithelium, Pelvis Epithelium, Pelvis	Hyperplasia Mineralization Nephropathy	Mild Mild Mild
Liver	Bile Duct	Hyperplasia Inflammation	Minimal Chronic, Focal, Minimal
Lung		Congestion Inflammation	Mild Chronic, Mild
Note: CONGESTION      TGLs = 2-3			
Mammary Gland		Hyperplasia	Moderate
Skin	SOA-No Mass	Acanthosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5884

TRT#: 6

SEX: Female

DAY ON TEST: 591

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-18		
Kidney		Nephropathy	Mild
Liver		Inflammation	Chronic, Focal, Minimal
Lung		Atelectasis	Mild
		Congestion	Mild
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Pigmentation	Hemosiderin, Mild
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5885

TRT#: 6

SEX: Female

DAY ON TEST: 584

DOSE: 300 UL RAT HF

DISP: Natural Death

HISTO: 853319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Focal, Moderate
Lung		Congestion	Mild
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Skin	SOA-No Mass	Acanthosis	Mild
Spleen		Pigmentation	Hemosiderin, Mild
Uterus	Endometrium	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5886

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-19		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 3-4		
Liver		Inflammation	Chronic, Focal, Moderate
Note: INFLAMMATION	TGLs = 4-5		
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Mild
Note: ACANTHOSIS	TGLs = 6-7		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5887

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye		Cataract	Moderate
Note: CATARACT TGLs = 2-19			
Intestine Large	Colon	Edema	Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: EDEMA TGLs = 12-8			
Intestine Small	Duodenum	Ulcer	Marked
Note: ULCER TGLs = 11-7			
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
Liver		Angiectasis	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: ANGIECTASIS TGLs = 7-5			
Note: LEUKEMIA MONUC TGLs = 6-5			
Note: HDN TGLs = 8-18			
Lung		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
Note: INFLAMMATION TGLs = 9-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:06  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5887	<b>TRT#:</b> 6 <b>DOSE:</b> 300 UL RAT HF	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 689 <b>HISTO:</b> 853321
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Mammary Gland		Hyperplasia	Moderate
Nose		Inflammation	Suppurative, Minimal
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Skel Muscle			
Note: HERNEATED DIAPHRAGM			
Spleen	Capsule	Hyperplasia Leukemia Mononuclear	Mild
Note: HYPERPLASIA TGLs = 4-6			
Note: LEUKEMIA MONUC TGLs = 3-6			
Stomach	Forestomach	Acanthosis	Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:06

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5888

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853322

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Thyroid Gland

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin - Control  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular  
Uterus

**MISSING**

Thymus

**OBSERVATIONS**

Eye  
Note: CATARACT TGLs = 4-19  
Heart  
Kidney  
Note: NEPHROPATHY TGLs = 3-4  
Liver  
Lung  
Mammary Gland  
Note: LACTATION TGLs = 2-12  
Pituitary Gland  
Skin  
Spleen

Retina  
Bile Duct  
Pars Distalis  
SOA-No Mass

Atrophy  
Cataract  
Cardiomyopathy  
Nephropathy  
Hyperplasia  
Inflammation  
Mixed Cell Focus  
Infiltration Cellular  
Lactation  
Adenoma  
Acanthosis  
Hematopoietic Cell Proliferation  
Pigmentation

Moderate  
Moderate  
Minimal  
Mild  
Minimal  
Chronic, Focal, Mild  
Histiocyte, Minimal  
Minimal  
Mild  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5889

TRT#: 6

SEX: Female

DAY ON TEST: 585

DOSE: 300 UL RAT HF

DISP: Natural Death

HISTO: 853323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Brain

Clitoral Gland

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Ovary

Salivary Glands

Skin - Control

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

MISSING

Bone Marrow

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland

Cortex

Hypertrophy

Focal, Mild

Heart

Cardiomyopathy

Minimal

Kidney

Prox Con Tub

Necrosis

Marked

Liver

Bile Duct

Hyperplasia

Mild

Infiltration Cellular

Histiocyte, Focal, Mild

Leukemia Mononuclear

Pigmentation

Focal, Mild

Note: PIGMENT TGLs = 5-5

Note: INFILTRAT CELL TGLs = 5-5

Lung

Congestion

Minimal

Leukemia Mononuclear

Mammary Gland

Fibroadenoma

Lactation

Note: LACTATION TGLs = 1-12

Note: FIBROADENOMA TGLs = 7-18

Pancreas

Acinus

Atrophy

Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 6-1

Skin

SOA-No Mass

Acanthosis

Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:07  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5889	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 585
	<b>DOSE:</b> 300 UL RAT HF	<b>DISP:</b> Natural Death	<b>HISTO:</b> 853323

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Atrophy	Moderate

Note: ATROPHY      TGLs = 3-9

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5890

TRT#: 6

SEX: Female

DAY ON TEST: 367

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Clitoral Gland

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin - Control

Skin - Site of Application-No Mass

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Brain

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-1

Kidney

Nephropathy

Minimal

Liver

Bile Duct

Hyperplasia

Mild

Lung

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-4

Leukemia Mononuclear

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5891

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Clitoral Gland		Ectasia	Marked
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-18		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Focal, Minimal
Mammary Gland		Adenocarcinoma	
		Lactation	
Nose		Inflammation	Chronic, Mild
Pancreas		Cytoplasmic Alteration	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5892

TRT#: 6

SEX: Female

DAY ON TEST: 657

DOSE: 300 UL RAT HF

DISP: Natural Death

HISTO: 853326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Brain		Compression	
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 4-18		
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-12		
Pituitary Gland	Pars Distalis	Adenoma	
		Hemorrhage	Marked
Note: HEMORRHAGE	TGLs = 5-1		
Note: ADENOMA	TGLs = 5-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:07

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5892

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 657

**DOSE:** 300 UL RAT HF

**DISP:** Natural Death

**HISTO:** 853326

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 2-6

Thyroid Gland

Follicle

Dilatation

Minimal

Follicular Cel

Hyperplasia

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5893

TRT#: 6

SEX: Female

DAY ON TEST: 543

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Clitoral Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Bone		Hyperostosis	Moderate
Bone Marrow		Hypoplasia	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 5-18		
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Minimal
Liver		Inflammation	Chronic, Focal, Minimal
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 2-12		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 7-1		
Skin	Other	Acanthosis	Minimal
	Other	Hyperkeratosis	Minimal
Note: HYPERKERATOSIS	TGLs = 1-19		
Note: ACANTHOSIS	TGLs = 1-19		
Spleen		Pigmentation	Hemosiderin, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:07  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5893	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 543
	<b>DOSE:</b> 300 UL RAT HF	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853327

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Moderate
	Forestomach	Hemorrhage	Mild
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Ulcer	Moderate
Note: [ HYPERKERATOSIS ] TGLs = 3-7			
Note: ULCER TGLs = 4-7			
Uterus	Endometrium	Atrophy	Moderate

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5894

TRT#: 6

SEX: Female

DAY ON TEST: 520

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Heart		Abscess	Marked
		Cardiomyopathy	Mild
Liver		Hematopoietic Cell Proliferation	Minimal
Lung		Congestion	Mild
Mammary Gland		Lactation	
Ovary			
Note: ONE OVARY MISSING			
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-6			
Tissue NOS		Abscess	Marked
Note: ABSCESS TGLs = 1-18			
Uterus	Endometrium	Atrophy	Mild
		Inflammation	Mild
		Sarcoma Stromal	
Note: SARC STROMAL TGLs = 2-19			
Vagina			
Note: VAGINAL MASS WAS OF UTERINE ORIGIN			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:07

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5894

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 520

**DOSE:** 300 UL RAT HF

**DISP:** Moribund Sacrifice

**HISTO:** 853328

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5895

TRT#: 6

SEX: Female

DAY ON TEST: 638

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Compression	
Note: COMPRESSION	TGLs = 3-1		
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 1-18		
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
		Lactation	
Mammary Gland			
Note: LACTATION	TGLs = 2-12		
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Pigmentation	Hemosiderin, Moderate
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5896

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-19		
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Spleen		Hematopoietic Cell Proliferation	Minimal
Stomach	Forestomach	Cyst Epithelial Inclusion	
Note: CYST EPITH INC	TGLs = 5-20		
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Thyroid Gland	Follicle	Dilatation	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 3-9		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5897

TRT#: 6

SEX: Female

DAY ON TEST: 639

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Focal, Mild

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Brain		Leukemia Mononuclear	
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Note: LEUKEMIA MONUC TGLs = 10-1

Eye	Retina	Atrophy	Mild
		Cataract	Moderate

Note: CATARACT TGLs = 1-19

Heart	Atrium	Thrombosis	
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Minimal
	Medulla	Necrosis	Mild
		Nephropathy	Minimal

Note: NECROSIS TGLs = 7-4

Liver	Peripheral	Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	

Note: LEUKEMIA MONUC TGLs = 8-5,9-5

Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	

Note: LACTATION TGLs = 2-12

Ovary		Cyst	
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Note: CYST TGLs = 5-9

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:07

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5897

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 639

**DOSE:** 300 UL RAT HF

**DISP:** Moribund Sacrifice

**HISTO:** 853331

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pancreas	Acinus	Atrophy	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-6		
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Moderate
Uterus	Endometrium	Atrophy	Mild
Vagina		Exudate	
Note: EXUDATE	TGLs = 3-18		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5898

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye		Cataract	Moderate
Note: CATARACT TGLs = 1-18			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	
		Inflammation	Chronic, Focal, Minimal
		Mixed Cell Focus	
Note: MIXED CL FOCUS TGLs = 2-5			
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5899

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Clitoral Gland		Adenoma	
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 4-19		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 6-4		
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
Note: FIBROSIS	TGLs = 3-6		
Note: LEUKEMIA MONUC	TGLs = 2-6		
Thyroid Gland	C Cell	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:07

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5899

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 300 UL RAT HF

**DISP:** Terminal Sacrifice

**HISTO:** 853333

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus

Endometrium

Atrophy

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5900

TRT#: 6

SEX: Female

DAY ON TEST: 559

DOSE: 300 UL RAT HF

DISP: Natural Death

HISTO: 853334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Salivary Glands	Skin - Control	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Clitoral Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Brain		Compression	
Note: COMPRESSION TGLs = 3-1			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
Note: CONGESTION TGLs = 2-2			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 1-12			
Pancreas	Acinus	Atrophy	Minimal
Parathyroid Gland		Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			
Skin	SOA-No Mass	Acanthosis	Minimal
Thymus		Cyst	
Tooth		Inflammation	Suppurative, Mild
Uterus	Endometrium	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:07

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

---

**ANIMAL ID:** 5900

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 559

**DOSE:** 300 UL RAT HF

**DISP:** Natural Death

**HISTO:** 853334

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5901

TRT#: 6

SEX: Female

DAY ON TEST: 658

DOSE: 300 UL RAT HF

DISP: Natural Death

HISTO: 853335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Clitoral Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 8-18		
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
	Prox Con Tub	Necrosis	Moderate
		Nephropathy	Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: HDN	TGLs = 5-5		
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 6-2		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 2-12		
Note: FIBROADENOMA	TGLs = 1-19		
Ovary		Cyst	
Note: CYST	TGLs = 3-9		
Pancreas		Cytoplasmic Alteration	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:07

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5901

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 658

**DOSE:** 300 UL RAT HF

**DISP:** Natural Death

**HISTO:** 853335

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen

Pigmentation

Hemosiderin, Mild

Uterus

Endometrium

Atrophy

Mild

Leiomyoma

Note: LEIOMYOMA TGLs = 4-20

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5902

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	Multiple
	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT TGLs = 7-20			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Note: NEPHROPATHY TGLs = 5-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-5			
Note: LEUKEMIA MONUC TGLs = 9-5			
Lung		Leukemia Mononuclear	
Mammary Gland		Adenocarcinoma	
		Lactation	
		Leukemia Mononuclear	
Note: ADENOCARC TGLs = 4-19			
Note: LACTATION TGLs = 2-12			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 8-1			
Skin	SOA-No Mass	Acanthosis	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:07  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5902	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> 300 UL RAT HF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 853336

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen Note: LEUKEMIA MONUC TGLs = 3-6		Leukemia Mononuclear	
Stomach Note: EROSION TGLs = 10-7	Forestomach Glandular, Mucosa Forestomach	Acanthosis Erosion Hyperkeratosis	Mild Focal, Moderate Mild
Thyroid Gland	C Cell	Carcinoma	

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5903

TRT#: 6

SEX: Female

DAY ON TEST: 706

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Pituitary Gland

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Clitoral Gland		Fibrosis	Mild
Heart	Atrium	Thrombosis	
Note: THROMBUS	TGLs = 7-10		
Intestine Large	Colon	Edema	Moderate
	Cecum	Ulcer	Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: EDEMA	TGLs = 10-8		
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver	Peripheral	Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 2-12		
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:07  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5903

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 706

**DOSE:** 300 UL RAT HF

**DISP:** Moribund Sacrifice

**HISTO:** 853337

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 3-6

Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Edema	Mild
	Glandular, Mucosa	Erosion	Focal, Moderate
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Ulcer	Marked
Thymus		Leukemia Mononuclear	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5904

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Eye	Retina	Atrophy	Mild
		Cataract	Mild
Note: CATARACT	TGLs = 4-18		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Inflammation	Chronic, Focal, Moderate
Lung		Congestion	Mild
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-12		
Nose		Inflammation	Chronic, Mild
Ovary		Cyst	
Note: CYST	TGLs = 3-9		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-1		
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 2-9		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5905

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 2-9		
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 1-18		
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Mild
Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5906

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Natural Death

HISTO: 853340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye		Cataract	Mild
Note: CATARACT TGLs = 2-18			
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Minimal
Lung		Congestion	Moderate
Note: CONGESTION TGLs = 6-3			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 3-19			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5907

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
	Cortex	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 2-20			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Note: HDN TGLs = 4-19			
Lung		Inflammation	Chronic, Mild
Mammary Gland		Lactation	
Note: LACTATION TGLs = 3-12			
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Note: ANGIECTASIS TGLs = 5-1			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicle	Dilatation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:07  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5907

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 300 UL RAT HF

**DISP:** Terminal Sacrifice

**HISTO:** 853341

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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C Cell

Hyperplasia

Mild

Uterus

Dilatation

Mild

Note: DILATATION TGLs = 6-9

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5908

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 4-19		
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-1		
Skin	SOA-No Mass	Inflammation	Chronic, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-6,7-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5909

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Brain		Compression	
Note: COMPRESSION	TGLs = 7-18		
Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 9-9		
Eye	Retina	Atrophy	Moderate
Note: CATARACT	TGLs = 6-19	Cataract	Moderate
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 5-4		
Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-12		
Nose		Inflammation	Chronic, Mild
Pancreas		Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:07

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5909

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 300 UL RAT HF

**DISP:** Terminal Sacrifice

**HISTO:** 853343

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA TGLs = 8-1

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-6

Uterus

Endometrium

Atrophy

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5910

TRT#: 6

SEX: Female

DAY ON TEST: 675

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone		Fibrous Osteodystrophy	
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
	Cornea	Inflammation	Mild
Note: INFLAMMATION TGLs = 2-18			
Note: CATARACT TGLs = 2-18			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 1-4			
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-5			
Lung		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Marked
		Lactation	
Nose		Foreign Body	Mild
		Fungus	
	Nasolacrim Dct	Inflammation	Suppurative, Moderate
		Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:07

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5910

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 675

**DOSE:** 300 UL RAT HF

**DISP:** Moribund Sacrifice

**HISTO:** 853344

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Parathyroid Gland

Pituitary Gland

Pars Distalis

Hypertrophy

Adenoma

Leukemia Mononuclear

Moderate

Note: LEUKEMIA MONUC TGLs = 4-1

Note: ADENOMA TGLs = 4-1

Spleen

Stomach

Thyroid Gland

Forestomach

C Cell

Pigmentation

Squamous Cell Papilloma

Carcinoma

Hemosiderin, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5911

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Skin - Site of Application-No Mass	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Compression	
Note: COMPRESSION	TGLs = 9-18		
Eye		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-5,7-5		
Lung		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA	TGLs = 3-19		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-1		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-6		
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
Note: ACANTHOSIS	TGLs = 10-7		
Uterus		Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:07

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5911

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 300 UL RAT HF

**DISP:** Terminal Sacrifice

**HISTO:** 853345

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: POLYP STROMAL TGLs = 4-9

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5912

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Thymus  
Uterus

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Skin - Control  
Trachea

OBSERVATIONS

Clitoral Gland  
Note: CARCINOMA TGLs = 1-19  
Eye  
Note: HEMORRHAGE TGLs = 8-18  
Note: [ CATARACT ] TGLs = 8-18,9-18  
Heart  
Kidney  
Note: NEPHROPATHY TGLs = 6-4  
Liver  
Mammary Gland  
Nose  
Ovary  
Note: CYST TGLs = 2-9  
Note: CARCINOMA TGLs = 3-9  
Pituitary Gland  
Note: ADENOMA TGLs = 10-1  
Skin  
Spleen

Cornea  
Epithelium, Pelvis  
SOA-No Mass

Carcinoma  
Cataract  
Hemorrhage  
Inflammation  
Moderate  
Moderate  
Moderate  
Cardiomyopathy  
Hyperplasia  
Nephropathy  
Minimal  
Mild  
Marked  
Inflammation  
Lactation  
Inflammation  
Carcinoma  
Cyst  
Chronic, Focal, Mild  
Chronic, Mild  
Adenoma  
Acanthosis  
Fibrosis  
Minimal  
Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:07  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5912

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 300 UL RAT HF

**DISP:** Terminal Sacrifice

**HISTO:** 853346

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: FIBROSIS      TGLs = 4-6  
Stomach

Forestomach  
Forestomach  
Forestomach

Acanthosis  
Edema  
Hyperkeratosis

Moderate  
Mild  
Moderate

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5913

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 1-19		
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
Note: FIBROADENOMA	TGLs = 2-18		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5914

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Natural Death

HISTO: 853348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Inflammation	Suppurative, Mild
Eye	Retina	Atrophy	Mild
	Cornea	Cataract	Moderate
Note: CATARACT	TGLs = 1-18	Inflammation	Mild
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Lung		Congestion	Moderate
Mammary Gland		Hyperplasia	Moderate
		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Trachea	Glands	Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5915

TRT#: 6

SEX: Female

DAY ON TEST: 489

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin - Control
Skin - Site of Application-No Mass	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
Note: LEUKEMIA MONUC TGLs = 3-4			
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Nose		Foreign Body	Mild
Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
Note: ANGIECTASIS TGLs = 4-1			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-4			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5916

TRT#: 6

SEX: Female

DAY ON TEST: 344

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Ovary
Pancreas	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Intestine Small - Ileum	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-1,4-1			
Clitoral Gland		Ectasia	Moderate
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Heart		Leukemia Mononuclear	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Lactation	
Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
Pituitary Gland		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-4			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:07  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

**ANIMAL ID:** 5916

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 344

**DOSE:** 300 UL RAT HF

**DISP:** Moribund Sacrifice

**HISTO:** 853350

**ORGAN AND ACCOUNTABLE SITE STATUS**

Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Edema	Marked
	Glandular	Leukemia Mononuclear	
	Forestomach	Ulcer	Marked
Note: [ LEUKEMIA MONUC ]	TGLs = 7-5		
Note: ULCER	TGLs = 6-5		
Thymus		Leukemia Mononuclear	
Zymbal's Gland		Cyst	
Note: CYST	TGLs = 2-14		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5917

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Eye	Retina	Atrophy	Mild
Note: CATARACT	TGLs = 4-18	Cataract	Moderate
Kidney		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 2-4		
Liver		Inflammation	Chronic, Focal, Mild
Mammary Gland		Hyperplasia	Mild
Note: LACTATION	TGLs = 1-12	Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5918

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Brain		Compression	
Note: COMPRESSION	TGLs = 5-18		
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 1-20		
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 2-4		
Liver		Inflammation	Chronic, Focal, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Mammary Gland		Adenocarcinoma	
		Hyperplasia	Moderate
		Lactation	
Note: ADENOCARC	TGLs = 3-19		
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:07

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5918

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** 300 UL RAT HF

**DISP:** Terminal Sacrifice

**HISTO:** 853352

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

Follicle

Pigmentation

Hemosiderin, Mild

Dilatation

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5919

TRT#: 6

SEX: Female

DAY ON TEST: 680

DOSE: 300 UL RAT HF

DISP: Natural Death

HISTO: 853353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Brain		Compression	
Note: COMPRESSION TGLs = 7-1			
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 9-18			
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 4-4			
Mammary Gland		Lactation	
Note: LACTATION TGLs = 1-12			
Pancreas	Acinus	Atrophy	Mild
Parathyroid Gland		Hypertrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 8-1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
Note: ACANTHOSIS TGLs = 3-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Diethyl phthalate

**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:13:07

**First Dose M/F:** NA / NA

**Lab:** HAZLETON

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**ANIMAL ID:** 5919

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 680

**DOSE:** 300 UL RAT HF

**DISP:** Natural Death

**HISTO:** 853353

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

C Cell

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 5-11

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 2-9

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5920

TRT#: 6

SEX: Female

DAY ON TEST: 588

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin - Control	Skin - Site of Application-No Mass	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Uterus

MISSING

Thymus	Urinary Bladder
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Brain		Compression	
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Spleen		Pigmentation	Hemosiderin, Moderate
Tissue NOS		Sarcoma	
Note: SARCOMA	TGLs = 2-18		
Note: OSTEOSARCOMA - TERM NOT AVAILABLE IN CODE BOOK			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5921

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin - Control	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Leukemia Mononuclear	
Clitoral Gland		Fibrosis	Mild
Eye		Cataract	Moderate
		Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 10-18			
Note: CATARACT TGLs = 10-18,11-18			
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-5			
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Ovary		Leukemia Mononuclear	
Pituitary Gland		Angiectasis	Marked
	Pars Distalis	Hyperplasia	Focal, Moderate
Note: [ ANGIECTASIS ] TGLs = 12-1			
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:07  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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<b>ANIMAL ID:</b> 5921	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 687
	<b>DOSE:</b> 300 UL RAT HF	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 853355

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 1-6			
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Edema	Mild
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Ulcer	Marked
	Glandular	Ulcer	Moderate
Note: ULCER TGLs = 4-7			
Note: [ ULCER ] TGLs = 3-7			
Note: ACANTHOSIS TGLs = 2-7			
Uterus	Endometrium	Atrophy	Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5922

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 3-19		
Kidney		Nephropathy	Mild
Liver		Inflammation	Chronic, Focal, Mild
Mammary Gland		Lactation	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5923

TRT#: 6

SEX: Female

DAY ON TEST: 541

DOSE: 300 UL RAT HF

DISP: Natural Death

HISTO: 853357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin - Control	Skin - Site of Application-No Mass
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Uterus		

OBSERVATIONS

Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
		Nephropathy	Mild
Lung		Congestion	Minimal
Mammary Gland		Lactation	
Note: LACTATION	TGLs = 1-12		
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Moderate
Urinary Bladder		Papilloma	
Note: [ PAPILLOMA ]	TGLs = 2-18		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5924

TRT#: 6

SEX: Female

DAY ON TEST: 430

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Thymus  
Uterus

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin - Control  
Thyroid Gland

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

OBSERVATIONS

Brain  
Note: [ COMPRESSION ] TGLs = 3-1  
Clitoral Gland  
Note: ECTASIA TGLs = 2-6  
Kidney  
Liver  
Mammary Gland  
Pituitary Gland  
Note: [ ADENOMA ] TGLs = 4-1  
Skin  
Spleen

Epithelium, Pelvis  
Bile Duct  
Pars Distalis  
SOA-No Mass

Compression  
Ectasia  
Hyperplasia  
Nephropathy  
Hyperplasia  
Inflammation  
Lactation  
Adenoma  
Acanthosis  
Pigmentation  
Moderate  
Mild  
Minimal  
Mild  
Chronic, Focal, Minimal  
Mild  
Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5925

TRT#: 6

SEX: Female

DAY ON TEST: 611

DOSE: 300 UL RAT HF

DISP: Natural Death

HISTO: 853359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye		Cataract	Moderate
Note: CATARACT TGLs = 4-19			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
Note: CONGESTION TGLs = 3-3			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-18			
Note: LACTATION TGLs = 1-12			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Pigmentation	Hemosiderin, Mild
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5926

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Salivary Glands
Skin - Control	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT	TGLs = 2-19		
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Hyperplasia	Minimal
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 3-4		
Liver	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	
Mesentery		Polyarteritis	Moderate
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
		Fibrosis	Focal, Moderate
		Inflammation	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5927

TRT#: 6

SEX: Female

DAY ON TEST: 549

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Ovary  
Skin - Control  
Thymus  
Uterus

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Pancreas  
Skin - Site of Application-No Mass  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

MISSING

Pituitary Gland

OBSERVATIONS

Clitoral Gland  
Note: CLITORAL GLAND ON SLIDE #12  
Mammary Gland  
Note: FIBROMA TGLs = 1-18  
Spleen

Ectasia  
Fibroma  
Lactation  
Hematopoietic Cell Proliferation  
Mild  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5928

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 300 UL RAT HF

DISP: Terminal Sacrifice

HISTO: 853362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Skin - Control	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Clitoral Gland		Ectasia	Moderate
Note: ECTASIA	TGLs = 5-9		
Eye	Retina	Atrophy	Mild
		Cataract	Moderate
Note: CATARACT	TGLs = 1-18		
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Focal, Mild
Mammary Gland		Fibroadenoma	
		Lactation	
Note: FIBROADENOMA	TGLs = 2-19		
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1		
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus	Endometrium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05106-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 10/20/2014

Time Report Requested: 07:13:07

First Dose M/F: NA / NA

Lab: HAZLETON

ANIMAL ID: 5929

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 300 UL RAT HF

DISP: Moribund Sacrifice

HISTO: 853363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin - Control	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Clitoral Gland		Fibrosis	Mild
Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
Note: CATARACT TGLs = 1-18			
Heart	Myocardium	Mineralization	Focal, Moderate
	Atrium	Thrombosis	
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 3-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Mild
Note: LEUKEMIA MONUC TGLs = 4-5			
Lung		Leukemia Mononuclear	
Mammary Gland		Lactation	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA TGLs = 5-1			
Skin	SOA-No Mass	Acanthosis	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05106-01  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Diethyl phthalate  
**CAS Number:** 84-66-2

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:13:07  
**First Dose M/F:** NA / NA  
**Lab:** HAZLETON

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**ANIMAL ID:** 5929

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 UL RAT HF

**DISP:** Moribund Sacrifice

**HISTO:** 853363

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach

Glandular

Ulcer

Moderate

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PRIMARY CAUSE OF DEATH

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**\*\* END OF REPORT \*\***