

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:41
First Dose M/F: NA / NA
Lab: SRI

C Number:	C60388B
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	02/12/1991

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039797

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	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Mild
Lymph Node	Mediastinal	Angiectasis	Moderate
[Angiectasis TGLs = 3-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Moderate
Note: ADENOMA	TGLs = 1-7		
Note: ATROPHY	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: A86039798
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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
Mammary Gland	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Lung		Atelectasis	Focal, Mild
[Atelectasis TGLS = 3-21.1,4-21-1]			
Lymph Node	Pancreatic	Angiectasis	Mild
	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: ANGIECTASIS TGLs = 5-22			
Nose	Lumen	Foreign Body	Mild
	Lumen	Fungus	Mild
Pancreas	Acinar Cell	Adenoma	
	Acinar Cell	Atrophy	Mild
Prostate		Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 2-7			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039798

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Natural Death	DAY ON TEST: 716 HISTO: A86039799
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small - Duodenum	Lymph Node - Mesenteric
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY	TGLs = 4-5-1		
Liver	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Suppurative, Marked
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 5-3		
Note: HYPERPLASIA	TGLs = 1-8		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 2-21		
Nose	Lumen	Inflammation	Suppurative, Marked
	Endothelium, Lumen	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC	TGLs = 7-9-1,7-9-2,7-9-3		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Moderate
Note: HEMORRHAGE	TGLs = 6-1		
[Adenoma TGLS = 6-1]			
Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: 0.0%

DISP: Natural Death

HISTO: A86039799

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 3-7

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric	Mammary Gland
Nose	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL	TGLs = 3-21		
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Islets, Pancreatic		Adenoma	
		Hyperplasia	Minimal
Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY	TGLs = 4-5-1		
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-6-1		
Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA	TGLs = 6-22		
Lymph Node	Mandibular	Cyst	Multiple, Mild
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Pancreas	Acinar Cell	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

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Test Type: CHRONIC

Species/Strain: Rat/F 344/N

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Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: A86039800
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ORGAN AND ACCOUNTABLE SITE STATUS			
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-6		
Testes	Bilateral, Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 1-7		
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: A86039801
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Accessory Adrenal Cortical Nodule Hyperplasia Inflammation	Mild Focal, Mild Chronic, Mild
Heart			
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia Mixed Cell Focus	Mild Moderate
Note: BASOPH FOCUS TGLs = 2-21			
Lymph Node	Mediastinal Pancreatic	Angiectasis Hyperplasia	Mild Lymphoid, Mild
Note: ANGIECTASIS TGLs = 3-22			
Note: HYPERPLASIA TGLs = 4-23			
Pancreas	Acinar Cell Acinar Cell	Atrophy Hyperplasia	Moderate Moderate
Note: HYPERPLASIA ON SLIDE 22			
Preputial Gland		Atrophy	Mild
Prostate		Inflammation	Chronic, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7			
Thymus		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

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CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: 0.0%	DISP: Terminal Sacrifice	HISTO: A86039801

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA	TGLs = 5-22		
Thyroid Gland	Follicular Cel Follicle	Adenoma Cyst	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: A86039802
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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	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Eosinophilic Focus	Multiple, Marked
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: [EOSIN FOCUS] TGLs = 5-22			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-23]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mesentery	Fat	Inflammation	Granulomatous, Focal, Moderate
	Fat	Necrosis	Focal, Moderate
Note: [INFLAMMATION] TGLs = 3-21			
Note: [NECROSIS] TGLs = 3-21			
Nose	Lumen	Fungus	Moderate
Pancreas	Acinar Cell	Atrophy	Mild
Preputial Gland		Atrophy	Mild
		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: A86039802
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ORGAN AND ACCOUNTABLE SITE STATUS

Skin Note: [BASAL CEL CARC] TGLs = 1-24	Subcut Tiss	Basal Cell Carcinoma	
Spleen Note: [LEUKEMIA MONUC] TGLs = 4-6-1		Leukemia Mononuclear	
Testes Note: [ADENOMA] TGLs = 2-7-1	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland Tissue NOS Note: TGL 1-24 IS SKIN/SUBCUTIS	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: A86039803
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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	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Note: CLEAR CL FOCUS TGLs = 4-22			
Pancreas	Acinar Cell	Adenoma	
		Ectopic Tissue	Mild
	Acinar Cell	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 2-21			
Note: ECTOPIC TISSUE IS SPLEEN			
Note: ADENOMA TGLs = 2-21			
Preputial Gland		Cyst	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7-1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: A86039804
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild

Note: ADENOMA TGLs = 2-7-1
 Note: ATROPHY TGLs = 1-7-1
 Note: HYPERPLASIA TGLs = 2-7-1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 683 HISTO: A86039805
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Parathyroid Gland	Prostate
Salivary Glands	Skin	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Moderate
Heart		Leukemia Mononuclear	
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
Note: LEUKEMIA MONUC	TGLs = 5-6		
Note: HYPERPLASIA	TGLs = 5-6		
Note: HYPERPLASIA	TGLs = 5-6		
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-21		
Note: LEUKEMIA MONUC	TGLs = 9-8-1		
Note: LEUKEMIA MONUC	TGLs = 6-3		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 683 HISTO: A86039805
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ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
	Pars Distalis	Leukemia Mononuclear	
Preputial Gland		Atrophy	Mild
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY	TGLs = 8-7		
Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
Note: FIBROSIS	TGLs = 4-22		
Note: LEUKEMIA MONUC	TGLs = 3-6-1		
Stomach	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Thymus		Leukemia Mononuclear	
Thyroid Gland	Follicle	Cyst	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-6-1			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-8-1			
Preputial Gland		Carcinoma	
		Inflammation	Chronic, Moderate
Note: CARCINOMA TGLs = 1-21			
Note: INFLAMMATION TGLs = 1-21			
Prostate		Inflammation	Chronic, Moderate
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY TGLs = 4-22			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039806

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA

TGLs = 2-7-1

Thyroid Gland

Follicular Cel

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039807

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	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Cortex	Hypertrophy	Focal, Mild
Brain		Compression	Moderate
[Compression TGLS = 6-1]			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 3-23			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Edema	Moderate
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-22			
Note: EDEMA TGLs = 4-24			
Note: LEUKEMIA MONUC TGLs = 8-25			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039807

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMORRHAGE TGLs = 5-1

Note: ADENOMA TGLs = 5-1

Preputial Gland

Prostate

Skin

Note: KERATOACANTHMA TGLs = 1-21

Spleen

Note: LEUKEMIA MONUC TGLs = 7-6-2

Tissue NOS

Note: SLIDE 21 IS SKIN

Cyst

Inflammation

Keratoacanthoma

Leukemia Mononuclear

Moderate

Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 575

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

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

Pancreas

Parathyroid Gland

Preputial Gland

Salivary Glands

Seminal Vesicle

Skin

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Bone Marrow

Leukemia Mononuclear

Brain

Hemorrhage

Moderate

Note: HEMORRHAGE TGLs = 7-1-1

Heart

Leukemia Mononuclear

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Degeneration

Cystic, Moderate

Bile Duct

Hyperplasia

Mild

Hyperplasia

Nodular, Moderate

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 1-6

Note: HYPERPLASIA TGLs = 1-6

Lung

Leukemia Mononuclear

Lymph Node

Mandibular

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 8-8-1

Note: MEDIASTINAL LYMPH NODE ON SLIDE 22 IS THYMUS

Note: LEUKEMIA MONUC TGLs = 6-23

Note: LEUKEMIA MONUC TGLs = 4-21

Note: MEDIASTINAL MISSING.

Mammary Gland

Hyperplasia

Lobular, Minimal

Nose

Lumen

Fungus

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 575

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039808

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Lumen	Inflammation	Suppurative, Moderate
Prostate	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Inflammation	Suppurative, Moderate
Note: LEUKEMIA MONUC	TGLs = 2-6-1	Leukemia Mononuclear	
Stomach	Forestomach	Edema	Moderate
	Forestomach	Inflammation	Chronic, Moderate
	Forestomach	Ulcer	Mild
Note: EDEMA	TGLs = 9-4-2		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 3-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-5-1		
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Note: LEUKEMIA MONUC	TGLs = 4-5		
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-8-1		
Note: LEUKEMIA MONUC	TGLs = 3-21		
Note: LEUKEMIA MONUC	TGLs = 5-23		
Note: LEUKEMIA MONUC	TGLs = 8-22		
Pancreas		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-21		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 13	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 673 HISTO: A86039809
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Fibrosis Leukemia Mononuclear	Focal, Moderate
Note: LEUKEMIA MONUC TGLs = 9-6-1			
Stomach	Forestomach Epithelium, Forestomach Forestomach	Edema Hyperplasia Ulcer	Moderate Mild Moderate
Testes	Bilateral, Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
Note: ADENOMA TGLs = 2-7-1			
Thymus		Leukemia Mononuclear	
Note: THYMUS ON SLIDE 22			
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 613

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039810

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Brain		Compression	Moderate
[Compression TGLS = 5-1-1]			
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Vacuolization Cytoplasmic	Mild
Lymph Node	Mediastinal	Pigmentation	Mild
Note: PIGMENT	TGLs = 6-22		
Mammary Gland	Duct	Cyst	Mild
Note: CYST	TGLs = 1-23		
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 2-21		
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 3-7-1		
Note: HYPERPLASIA	TGLs = 3-7-1		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 613

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039810

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 696

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039811

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
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Astrocytoma Malignant	
[Astrocytoma Malignant TGLS = 6-21]			
Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 7-24			
Note: ANGIECTASIS TGLs = 4-23			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Preputial Gland		Atrophy	Mild
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY TGLs = 3-22			
Stomach	Forestomach	Edema	Moderate
	Epithelium, Forestomach	Hyperplasia	Mild
	Forestomach	Ulcer	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 696

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039811

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039812

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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL TGLs = 3-10			
Brain		Compression	Moderate
[Compression TGLS = 6-1]			
Heart		Inflammation	Chronic, Moderate
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
[Nephropathy TGLS = 2-5]			
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 5-2-1]			
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
Preputial Gland		Atrophy	Mild
Prostate		Inflammation	Suppurative, Mild
Salivary Glands		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039812

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1-7

Thyroid Gland

[Carcinoma TGLS = 4-3]

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039813

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	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Liver	Bile Duct	Basophilic Focus	Multiple, Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Moderate

Note: CYST TGLs = 1-21,2-22

Note: TISSUE NOS ON SLIDE 22 IS CYSTIC MAMMARY DUCT

Mesentery

Note: ASSOCIATED WITH TESTES.

Note: TGL-8 ON SLIDE 24- NORMAL BLOOD VESSELS PROBABLY

Pancreas Acinar Cell Atrophy Mild

Pituitary Gland Pars Distalis Adenoma

[Adenoma TGLS = 6-1]

Preputial Gland Cyst Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039813

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST TGLs = 3-23

Prostate

Inflammation

Suppurative, Moderate

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 5-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 599

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039814

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 Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Eye		Cataract	Marked
	Retina	Degeneration	Marked
Note: CATARACT	TGLs = 1-21		
Note: DEGEN	TGLs = 1-21		
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 2-22		
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 3-7		
Note: HYPERPLASIA	TGLs = 3-7		
Thymus			
Note: THYMUS NOT FOUND ON RECUT			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 599

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039814

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Heart	Atrium	Congestion	Moderate
		Inflammation	Chronic, Mild
Note: CONGESTION TGLs = 5-5-1			
Kidney	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Minimal
Liver	Bile Duct	Clear Cell Focus	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-21			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6-1			
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039815

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY TGLs = 3-7

Note: ADENOMA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039816

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
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Multiple, Mild
Note: HDN TGLs = 4-21			
Note: LEUKEMIA MONUC TGLs = 5-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 6-22			
Pancreas	Acinar Cell	Atrophy	Moderate
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY TGLs = 2-7			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6-1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039816

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
Note: HDN TGLs = 3-21			
Lung		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 6-24			
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 4-22			
Pancreas	Acinar Cell	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-23]			
Prostate		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039817

ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell

Hyperplasia

Mild

Note: ATROPHY TGLs = 2-7

Note: ADENOMA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039818

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
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 2-21		
Mammary Gland	Duct	Hemorrhage	Moderate
Note: HEMORRHAGE	TGLs = 4-22		
Pancreas	Acinar Cell	Adenoma	
	Acinar Cell	Atrophy	Moderate
Preputial Gland		Adenoma	
Prostate		Inflammation	Suppurative, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Pituitary Gland	Preputial Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Cortex	Hypertrophy	Focal, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
Note: HDN TGLs = 10-24			
Lymph Node	Pancreatic	Pigmentation	Mild
Note: PIGMENT TGLs = 11-25			
Mammary Gland		Hyperplasia	Lobular, Moderate
Note: HYPERPLASIA TGLs = 2-8			
Pancreas	Acinar Cell	Adenoma	
	Acinar Cell	Hyperplasia	Moderate
Note: ADENOMA TGLs = 9-23			
Prostate		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 8-7			
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY TGLs = 7-7			
Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Lipoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039819

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LIPOMA	TGLs = 1-21			
Note: FIBROMA	TGLs = 3-22			
Testes		Interstit Cell	Adenoma	
			Atrophy	Marked
		Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 5-7-1			
Note: ATROPHY	TGLs = 6-7-1			
Tissue NOS				
Note: TGL-3 ON SLIDE 22 IS A FIBROMA IN SUBCUTANEOUS TISSUE				
Note: TGL-1 ON SLIDE 21 IS A LIPOMA IN SUBCUTANEOUS TISSUE				

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 484

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039820

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	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Skin	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Adrenal Gland	Cortex	Mesothelioma Malignant	
Epididymis		Mesothelioma Malignant	
Heart		Inflammation	Chronic, Moderate
Kidney		Mesothelioma Malignant	
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Moderate
Liver	Centrilobular	Degeneration	Moderate
		Degeneration	Cystic, Minimal
		Mesothelioma Malignant	
Note: DEGEN TGLs = 5-6			
Lymph Node	Mediastinal	Pigmentation	Marked
Note: PIGMENT TGLs = 6-22			
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIOMA IS ON SLIDE 4 [Mesothelioma Malignant TGLS = 3-21]			
Pancreas		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 4-7			
Prostate		Mesothelioma Malignant	
Seminal Vesicle		Mesothelioma Malignant	
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach, Serosa	Mesothelioma Malignant	
	Glandular, Serosa	Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 24	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 484 HISTO: A86039820
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ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell Bilateral, Interstit Cell Tunic	Adenoma Hyperplasia Mesothelioma Malignant	Mild
Note: HYPERPLASIA TGLs = 2-7 Note: ADENOMA TGLs = 2-7			
Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039821

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
Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL	TGLs = 4-10		
Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY	TGLs = 5-5		
Liver		Basophilic Focus	Multiple, Mild
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Cyst	Multiple, Moderate
Note: PANCREATIC LYMPH NODE IS ARTERY			
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
Pancreas		Polyarteritis	Mild
Note: POLYARTERITIS	TGLs = 7-22		
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039821

ORGAN AND ACCOUNTABLE SITE STATUS

Skin			Keratoacanthoma
Note: KERATOACANTHMA	TGLs = 1-21		
Spleen			Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 3-6		
Testes		Bilateral, Interstit Cell	Adenoma
Note: ADENOMA	TGLs = 2-7		
Tissue NOS			
Note: TGL-1 ON SLIDE 21 IS SKIN/TAIL			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039822

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Brain		Compression	Mild
[Compression TGLS = 5-1]			
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Minimal
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Note: CYST	TGLs = 1-8		
Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 4-1]			
Preputial Gland		Hyperplasia	Focal, Moderate
		Inflammation	Chronic, Moderate
Prostate		Inflammation	Suppurative, Mild
Note: INFLAMMATION	TGLs = 3-7		
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 2-7-1		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039822

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Minimal
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node			
Note: NOT CONSIDERED SIGNIFICANT FOR RECUT			
Note: TGL-3,DARK MEDIASTINAL LYMPH NODE NOT ON SLIDE 3.			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-6,1-6-1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039824

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	Lymph Node - Mesenteric	Nose
Pancreas	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Brain		Compression	Mild
[Compression TGLS = 7-1]			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
Mammary Gland		Hyperplasia	Lobular, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Marked
[Adenoma TGLS = 6-1]			
[Hemorrhage TGLS = 6-1]			
Prostate		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 4-7			
Stomach	Forestomach	Inflammation	Chronic, Mild
Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-7-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039824

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY TGLs = 3-7-1

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039825

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	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mandibular	Cyst	Multiple, Mild
Note: CYST	TGLs = 2-8-1		
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Medulla	Pheochromocytoma Malignant	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
Note: NEPHROPATHY TGLs = 3-5			
Liver		Eosinophilic Focus	Moderate
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: HDN TGLs = 5-21			
Note: LEUKEMIA MONUC TGLs = 4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Angiectasis	Mild
	Pancreatic	Angiectasis	Mild
	Mandibular	Leukemia Mononuclear	
Note: ANGIECTASIS TGLs = 7-3			
[Angiectasis TGLs = 8-22]			
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
Pancreas	Acinar Cell	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039826

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-6-1

Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039827

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	Mammary Gland	Nose
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Accessory Adrenal Cortical Nodule Pheochromocytoma Malignant	Mild
Note: PHEOCHROM MAL TGLs = 2-21			
Heart	Atrium	Congestion Inflammation	Moderate Chronic, Mild
Note: CONGESTION TGLs = 6-5-1			
Kidney	Transit Epithe Renal Tubule	Hyperplasia Nephropathy Pigmentation	Minimal Chronic, Moderate Minimal
Note: NEPHROPATHY TGLs = 3-5			
Liver		Basophilic Focus Eosinophilic Focus Mixed Cell Focus	Mild Mild Multiple, Minimal
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 5-22			
Pancreas	Acinar Cell	Adenoma	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Prostate		Cyst	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7			
Thyroid Gland	Follicle	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039827

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 496

DOSE: 0.0%

DISP: Natural Death

HISTO: A86039828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Mammary Gland
Preputial Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Nose
Salivary Glands
Stomach - Glandular

Bone
Islets, Pancreatic
Parathyroid Gland
Seminal Vesicle
Thymus

Brain
Lymph Node - Mandibular
Pituitary Gland
Skin
Trachea

MISSING

Thyroid Gland

AUTO PRECLUDES DIAG.

Bone Marrow
Intestine Small - Duodenum

Intestine Large - Cecum
Intestine Small - Ileum

Intestine Large - Colon
Intestine Small - Jejunum

Intestine Large - Rectum
Kidney

OBSERVATIONS

Heart
Liver
Lung

Centrilobular

Inflammation
Degeneration
Hyperplasia
Alveolar/Bronchiolar Adenoma
Leukemia Mononuclear

Chronic, Mild
Moderate
Nodular, Mild

[Leukemia Mononuclear TGLS = 10-2-1]

Lymph Node

Mediastinal
Mediastinal
Mesenteric
Pancreatic

Angiectasis
Histiocytic Sarcoma
Histiocytic Sarcoma
Histiocytic Sarcoma

Moderate

Note: ANGIECTASIS TGLs = 8-3

Mesentery

Fat

Hemorrhage
Histiocytic Sarcoma

Focal, Moderate

Note: HEMORRHAGE TGLs = 4-22

Pancreas
Prostate
Spleen
Testes

Bilateral, Interstit Cell

Histiocytic Sarcoma
Inflammation
Hematopoietic Cell Proliferation
Adenoma

Suppurative, Moderate
Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 496

DOSE: 0.0%

DISP: Natural Death

HISTO: A86039828

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-21,9-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 603

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039829

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	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 2-8-1			
Mammary Gland		Hyperplasia	Lobular, Minimal
Mesentery	Fat	Hemorrhage	Focal, Moderate
Note: HEMORRHAGE TGLs = 6-22			
Preputial Gland	Bilateral	Adenoma	
		Cyst	Multiple, Mild
Note: ADENOMA TGLs = 3-8			
Note: CYST TGLs = 3-8			
Prostate		Inflammation	Suppurative, Mild
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY TGLs = 7-7			
Skin		Basal Cell Adenoma	
		Cyst Epithelial Inclusion	
Note: MASS CODED AS TISSUE NOS TGL-8 IS ON SLIDE 9-1,9-2,9-3.			
Note: BASAL CEL ADEN TGLs = 1-21			
Note: CYST EPITH INC TGLs = 8-9-1,8-9-2,8-9-3			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 603

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039829

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Moderate

Note: ADENOMA TGLs = 4-7

Note: ATROPHY TGLs = 5-7

Tissue NOS

Note: TGL 1-21 IS SKIN-BASAL CELL ADENOMA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 4-5			
Liver	Bile Duct	Basophilic Focus	Multiple, Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-5			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 6-2,6-2.1]			
Mammary Gland	Duct	Cyst	Mild
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 2-22			
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-21			
Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 34	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: A86039830
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ORGAN AND ACCOUNTABLE SITE STATUS			
Spleen		Fibrosis Leukemia Mononuclear	Focal, Moderate
Note: FIBROSIS	TGLs = 3-23		
Testes	Bilateral, Interstit Cell Bilateral, Interstit Cell	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Lung
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Brain
Intestine Large - Colon
Islets, Pancreatic
Mammary Gland
Prostate
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland

Heart
Intestine Small
Kidney

Liver

Pituitary Gland
Preputial Gland
 Note: ADENOMA TGLs = 1-8
Seminal Vesicle
 Note: ATROPHY TGLs = 3-7-1
Testes
 Note: ADENOMA TGLs = 2-7

Cortex
Cortex

Ileum

Renal Tubule

Bile Duct
Pars Distalis

Bilateral, Interstit Cell

Accessory Adrenal Cortical Nodule
Adenoma
Inflammation
Hyperplasia
Nephropathy
Pigmentation
Basophilic Focus
Hyperplasia
Cyst
Adenoma

Atrophy

Adenoma

Mild

Chronic, Moderate
Lymphoid, Moderate
Chronic, Moderate
Minimal
Multiple, Mild
Mild
Mild

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Cortex

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL	TGLs = 3-10,3-24,3-25		
Heart		Inflammation	Chronic, Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY	TGLs = 6-5		
Liver		Basophilic Focus	Multiple, Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Gland), Multiple (Adrenal Gland)
[Pheochromocytoma Malignant TGLS = 8-2]			
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 5-23		
Preputial Gland	Bilateral	Carcinoma	
		Cyst	Marked
Note: CYST	TGLs = 2-22		
Note: CARCINOMA	TGLs = 1-21,2-22		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039832

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 4-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 633

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Leukemia Mononuclear	
Kidney		Parasite Metazoan	Mild
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Minimal
Liver	Bile Duct	Pigmentation	Minimal
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-2		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-22		
Note: LEUKEMIA MONUC	TGLs = 4-21		
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 633

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039833

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-7-1

Thymus

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-22

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 668

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-6			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-3			
Note: LEUKEMIA MONUC TGLs = 2-8-1			
[Leukemia Mononuclear TGLs = 6-22]			
[Leukemia Mononuclear TGLs = 9-23]			
Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
	Pars Intermed	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 668

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039834

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-1]

[Leukemia Mononuclear TGLS = 11-1]

Preputial Gland

Inflammation

Suppurative, Mild

Leukemia Mononuclear

Prostate

Inflammation

Suppurative, Mild

Leukemia Mononuclear

Seminal Vesicle

Atrophy

Mild

Note: ATROPHY TGLs = 7-7

Skin

Leukemia Mononuclear

Note: LEUKEMIA MONUC.-LIP

Note: LEUKEMIA MONUC TGLs = 1-21

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Moderate

Leukemia Mononuclear

Multiple

Note: ATROPHY TGLs = 4-7-1

Note: LEUKEMIA MONUC TGLs = 3-7-1

Note: ADENOMA TGLs = 3-7-1

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039835

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	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Brain		Compression	Moderate
[Compression TGLS = 4-1]			
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
Lymph Node	Mandibular	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 5-8-1			
Mammary Gland	Duct	Cyst	Mild
Note: CYST TGLs = 1-21			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Preputial Gland		Hyperplasia	Mild
Prostate		Inflammation	Suppurative, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039836

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 - Mesenteric	Mammary Gland	Nose	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Moderate
Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY	TGLs = 2-5		
Liver		Clear Cell Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Granulomatous, Multiple, Moderate
Note: INFLAMMATION	TGLs = 3-2		
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Mild
	Mandibular	Hyperplasia	Lymphoid, Mild
	Pancreatic	Pigmentation	Mild
Note: PIGMENT	TGLs = 6-21		
Note: HYPERPLASIA	TGLs = 5-8-1		
Pancreas	Acinar Cell	Atrophy	Mild
Parathyroid Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 40	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0.0%	DISP: Terminal Sacrifice	HISTO: A86039836

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1] [Hemorrhage TGLS = 4-1] Preputial Gland	Adenoma Cyst	Multiple, Moderate
Note: CYST TGLs = 1-8 Note: ADENOMA TGLs = 1-8 Prostate	Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039837

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
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Epididymis		Granuloma Sperm	Moderate
Note: GRANLOMA SPERM TGLs = 2-21,3-21			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 9-5-1			
Liver		Basophilic Focus	Multiple, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-3 [Leukemia Mononuclear TGLS = 7-23]			
Mammary Gland		Hyperplasia	Lobular, Mild
Preputial Gland		Cyst	Mild
Prostate		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Moderate
Skin	Epidermis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039837

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 11-24

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 8-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Mild

Bilateral, Interstit Cell

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 5-7

Note: ATROPHY TGLs = 4-7

Note: ADENOMA TGLs = 5-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Cyst	Marked
	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 4-5-1			
Note: CYST TGLs = 5-5-1			
Liver		Basophilic Focus	Multiple, Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Mild
Note: LEUKEMIA MONUC TGLs = 6-6-1			
Lung		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Mild
Preputial Gland		Inflammation	Suppurative, Moderate
Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039838

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Hemangiosarcoma

Leukemia Mononuclear

Note: HEMANGIOSARC TGLs = 3-21

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Marked

Note: ATROPHY TGLs = 2-7

Note: ADENOMA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Jejunum

Islets, Pancreatic

Nose

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Bone Marrow

Leukemia Mononuclear

Heart

Inflammation

Chronic, Mild

Intestine Large

Rectum

Parasite Metazoan

Mild

Intestine Small

Ileum

Leukemia Mononuclear

Kidney

Transit Epithe

Hyperplasia

Mild

Renal Tubule

Nephropathy

Chronic, Moderate

Pigmentation

Mild

Note: NEPHROPATHY TGLs = 3-5-1

Liver

Basophilic Focus

Multiple, Mild

Bile Duct

Hyperplasia

Mild

Lung

Leukemia Mononuclear

Lymph Node

Mandibular

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Mammary Gland

Duct

Leukemia Mononuclear

Pancreas

Acinar Cell

Cyst

Mild

Atrophy

Mild

Basophilic Focus

Mild

Cyst

Moderate

Hyperplasia

Moderate

Note: CYST TGLs = 1-8

Note: HYPERPLASIA TGLs = 1-8

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-6

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039839

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Mild

Note: ADENOMA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 676

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Mild
Pancreas	Acinar Cell	Atrophy	Mild
Preputial Gland		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-21			
Prostate		Inflammation	Suppurative, Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-7			
Tissue NOS			
Note: TGL-1 ON SLIDE 21 IS PREPUTIAL GLAND			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Minimal
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 2-21		
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 3-7		
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-21		
Pancreas	Acinar Cell	Atrophy	Mild
		Basophilic Focus	Mild
Preputial Gland		Carcinoma	
		Inflammation	Suppurative, Moderate
Note: CARCINOMA	TGLs = 2-8		
Salivary Glands		Cytomegaly	Moderate
Seminal Vesicle		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039842

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY TGLs = 5-7
Spleen

Fibrosis
Leukemia Mononuclear

Focal, Mild

Note: FIBROSIS TGLs = 6-6-1
Note: LEUKEMIA MONUC TGLs = 6-6-1

Testes
Bilateral, Interstit Cell
Interstit Cell

Adenoma
Atrophy
Hyperplasia

Marked
Mild

Note: ATROPHY TGLs = 4-7-1
Note: ADENOMA TGLs = 3-7-1

Tissue NOS
Note: TGL-1 ON SLIDE 21 IS MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Bone		Osteoporosis	Mild
Note: OSTEOPOROSIS	TGLs = 10-9		
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY	TGLs = 7-5		
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA-PANCREATIC LYMPH NODE, IS ON SLIDE 7-2			
Note: LEUKEMIA MONUC	TGLs = 6-7		
Note: LEUKEMIA MONUC	TGLs = 9-3		
Note: INGUINAL LYMPH NODE ON SLIDE 8			
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 3-21,4-22		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039843

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 8-23

Pituitary Gland

Pars Distalis

Leukemia Mononuclear

Prostate

Inflammation

Chronic, Moderate

Seminal Vesicle

Atrophy

Mild

Spleen

Fibrosis

Focal, Mild

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-6-1

Note: FIBROSIS TGLs = 5-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Moderate

Note: ADENOMA TGLs = 1-7-1

Note: ATROPHY TGLs = 2-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 695

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Nose

Parathyroid Gland

Prostate

Salivary Glands

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Benign

Bone Marrow

Leukemia Mononuclear

Heart

Inflammation

Chronic, Mild

Leukemia Mononuclear

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Liver

Degeneration

Cystic, Mild

Bile Duct

Hyperplasia

Moderate

Hyperplasia

Nodular, Mild

Leukemia Mononuclear

Note: HYPERPLASIA TGLs = 8-6

Note: LEUKEMIA MONUC TGLs = 8-6

Lung

Leukemia Mononuclear

Lymph Node

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 9-23

Mammary Gland

Hyperplasia

Lobular, Minimal

Pancreas

Acinar Cell

Atrophy

Moderate

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 9-23

Pituitary Gland

Pars Distalis

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 695

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039844

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland

Atrophy

Moderate

Squamous Cell Carcinoma

Note: SQUAM CEL CARC TGLs = 2-21

Seminal Vesicle

Atrophy

Mild

Note: ATROPHY TGLs = 5-7

Skin

Keratoacanthoma

Note: KERATOACANTHMA TGLs = 1-21

Spleen

Fibrosis

Focal, Mild

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 7-6-1

Note: FIBROSIS TGLs = 6-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Moderate

Interstit Cell

Hyperplasia

Mild

Note: ATROPHY TGLs = 3-7-1

Note: ADENOMA TGLs = 4-7-1

Thymus

Leukemia Mononuclear

Tissue NOS

Note: TGL-1 ON SLIDE 21 IS SKIN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039845

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	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Inflammation	Chronic, Moderate
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Minimal
		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: EOSIN FOCUS	TGLs = 7-23		
Note: LEUKEMIA MONUC	TGLs = 6-6		
Lung		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	Moderate
Prostate		Inflammation	Suppurative, Mild
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 4-7		
Skin		Hemangioma	
Note: HEMANGIOMA	TGLs = 1-21		
Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
Note: FIBROSIS	TGLs = 5-22		
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039845

ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell

Atrophy
Hyperplasia

Marked
Mild

Note: ATROPHY TGLs = 3-7-1

Note: ADENOMA TGLs = 2-7-1

Tissue NOS

Note: TGL-1 ON SLIDE 21 IS SKIN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039846

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
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Seminal Vesicle
Trachea

Bone
Esophagus
Intestine Small - Duodenum
Lung
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Prostate
Stomach - Glandular

OBSERVATIONS

Heart
Kidney

Inflammation
Nephropathy

Chronic, Mild
Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Mild

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-6

Mammary Gland

Fibroadenoma

Nose

Lumen

Fungus

Mild

Lumen

Inflammation

Suppurative, Mild

Acinar Cell

Hyperplasia

Mild

Carcinoma

Pancreas

Preputial Gland

Note: CARCINOMA TGLs = 2-22

Skin

Squamous Cell Papilloma

Note: PAPHILLOMA SQUA TGLs = 1-21

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 3-7-1

Note: ATROPHY TGLs = 4-7-1

Atrophy

Mild

Thyroid Gland

Follicle

Cyst

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039846

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS

Note: TGL-1 ON SLIDE 21 IS SKIN-SCROTUM

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 2

SEX: Male

DAY ON TEST: 457

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036974

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	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Kidney		Fibrosis	Focal, Mild
		Nephropathy	Chronic, Minimal
Note: FIBROSIS	TGLs = 1-21		
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	Moderate
		Vacuolization Cytoplasmic	Minimal
Note: MIXED CL FOCUS	TGLs = 2-22		
Lung	Alveolar Epith	Hyperplasia	Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 2

SEX: Male

DAY ON TEST: 456

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

Note: HYPERPLASIA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 2

SEX: Male

DAY ON TEST: 457

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036976

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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
Preputial Gland		Cyst	Moderate
Note: CYST TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 2

SEX: Male

DAY ON TEST: 458

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Lung
Nose
Preputial Gland
Skin
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Prostate
Spleen
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Salivary Glands
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland

Cortex
Medulla

Accessory Adrenal Cortical Nodule
Ganglioneuroma

Mild

Note: GANGLIONEUROMA TGLs = 1-21

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

Heart
Kidney
Liver

Inflammation
Nephropathy
Degeneration
Hyperplasia
Inflammation
Hyperplasia

Chronic, Mild
Chronic, Minimal
Cystic, Minimal
Minimal
Granulomatous, Multiple, Minimal
Moderate

Bile Duct

Testes

Bilateral, Interstit Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 2

SEX: Male

DAY ON TEST: 456

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036978

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Epididymis		Mesothelioma Malignant	
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 1-21			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Prostate		Inflammation	Suppurative, Moderate
Skeletal Muscle		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 1-21			
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	Tunic	Mesothelioma Malignant	
Note: ADENOMA TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 2

SEX: Male

DAY ON TEST: 458

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036979

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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Glioma Malignant	
[Glioma Malignant TGLS = 7-1]			
Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	Multiple, Minimal
		Hepatodiaphragmatic Nodule	Multiple, Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Mixed Cell Focus	Mild
Note: HDN TGLs = 3-21			
Note: MIXED CL FOCUS TGLs = 4-22			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
[Alveolar/Bronchiolar Adenoma TGLS = 5-2,6-2]			
Preputial Gland		Cyst	Marked
		Hyperplasia	Moderate
Note: CYST TGLs = 1-8			
Note: HYPERPLASIA TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 2

SEX: Male

DAY ON TEST: 457

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Preputial Gland
Skin
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Lung
Nose
Prostate
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Salivary Glands
Stomach - Forestomach
Trachea

OBSERVATIONS

Heart
Kidney
Liver

Bile Duct

Pituitary Gland
[Adenoma TGLS = 1-1]

Pars Distalis

Testes
Note: ADENOMA TGLs = 2-7

Bilateral, Interstit Cell

Inflammation
Nephropathy
Clear Cell Focus
Hyperplasia
Vacuolization Cytoplasmic
Adenoma
Adenoma

Chronic, Mild
Chronic, Mild
Minimal
Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 2

SEX: Male

DAY ON TEST: 457

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Inflammation	Chronic, Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Pelvis	Dilatation	Mild
		Nephropathy	Chronic, Minimal
Note: DILATATION TGLs = 1-5			
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Suppurative, Mild
Spleen		Congestion	Moderate
Note: CONGESTION TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 2

SEX: Male

DAY ON TEST: 458

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Small - Duodenum
Lung
Nose
Preputial Gland
Skin
Thymus

Bone
Esophagus
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Prostate
Spleen
Thyroid Gland

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

OBSERVATIONS

Heart
Intestine Large
Kidney
Liver

Lymph Node
Testes

Colon

Bile Duct

Mediastinal
Bilateral, Interstit Cell
Bilateral, Interstit Cell

Inflammation
Parasite Metazoan
Nephropathy
Hyperplasia
Vacuolization Cytoplasmic
Hyperplasia
Adenoma
Hyperplasia

Chronic, Mild
Mild
Chronic, Minimal
Mild
Minimal
Lymphoid, Mild

Mild

Note: ADENOMA TGLs = 2-7

Note: HYPERPLASIA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 2

SEX: Male

DAY ON TEST: 456

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036983

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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Multiple, Minimal
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Mesentery	Fat	Inflammation	Granulomatous, Focal, Mild
Note: INFLAMMATION TGLs = 1-21			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Cyst	Moderate
Testes	Interstitial Cell	Adenoma	
	Bilateral, Interstitial Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Transit Epithe	Cyst	Multiple, Moderate
	Renal Tubule	Hyperplasia	Mild
Note: NEPHROPATHY TGLs = 4-5-1,5-5-1		Nephropathy	Chronic, Marked
Liver		Pigmentation	Mild
	Bile Duct	Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Moderate
		Hyperplasia	Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-5		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Minimal
Parathyroid Gland		Hyperplasia	Moderate
Preputial Gland		Atrophy	Moderate
		Carcinoma	
		Cyst	Marked
Note: CYST TGLs = 1-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039896

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 1-8

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-6-1

Stomach

Epithelium, Forestomach

Hyperplasia

Moderate

Glandular

Mineralization

Moderate

Note: HYPERPLASIA TGLs = 7-21

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 5

SEX: Male

DAY ON TEST: 518

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Islets, Pancreatic		Adenoma	
Note: ADENOMA	TGLs = 4-23		
Kidney	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Nephropathy	Chronic, Moderate
Note: NEPHROPATHY	TGLs = 6-5-1	Pigmentation	Minimal
Liver		Leukemia Mononuclear	
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
	Mandibular	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Renal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 1-8		
Note: HYPERPLASIA	TGLs = 5-24		
Note: HYPERPLASIA	TGLs = 7-25		
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Moderate
	Submucosa	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 5

SEX: Male

DAY ON TEST: 518

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039897

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland

Atrophy
Carcinoma
Cyst
Inflammation

Moderate

Marked
Suppurative, Marked

Note: CARCINOMA TGLs = 2-21

Note: CYST TGLs = 2-21

Note: INFLAMMATION TGLs = 2-21

Note: TISSUE NOS ON SLIDE 21 IS PREPUTIAL GLAND

Prostate

Inflammation
Hemangiosarcoma
Leukemia Mononuclear

Suppurative, Mild

Spleen

Note: HEMANGIOSARC TGLs = 3-22

Stomach

Forestomach

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 5

SEX: Male

DAY ON TEST: 715

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Pituitary Gland

Salivary Glands

Seminal Vesicle

Skin

Thymus

Thyroid Gland

Trachea

OBSERVATIONS

Blood Vessel

Aorta

Mineralization

Marked

Mesent Artery

Mineralization

Moderate

[Mineralization TGLS = 10-25]

Bone

Femur

Fibrous Osteodystrophy

Mild

Maxilla

Fibrous Osteodystrophy

Mild

Heart

Inflammation

Chronic, Moderate

Mineralization

Mild

Intestine Large

Colon

Mineralization

Moderate

Note: MINERALIZATION TGLs = 9-24

Kidney

Cyst

Multiple, Moderate

Transit Epithe

Hyperplasia

Mild

Nephropathy

Chronic, Marked

Renal Tubule

Pigmentation

Minimal

Note: CYST TGLs = 6-22

Note: NEPHROPATHY TGLs = 5-5-1

Liver

Basophilic Focus

Minimal

Eosinophilic Focus

Mild

Hepatocellular Adenoma

Multiple

Note: HEPATOCLR ADEN TGLs = 7-23

Lung

Mineralization

Marked

[Mineralization TGLS = 11-2]

Mammary Gland

Hyperplasia

Lobular, Moderate

Mesentery

Polyarteritis

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 5

SEX: Male

DAY ON TEST: 715

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039898

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYARTERITIS ON SLIDE 24

Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell Acinar Cell	Adenoma Atrophy	Mild
Parathyroid Gland [Hyperplasia TGLS = 12-3]		Hyperplasia	Moderate
Preputial Gland		Atrophy	Moderate
Prostate		Cyst	Mild
		Inflammation	Suppurative, Moderate
		Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 3-7 Note: INFLAMMATION TGLs = 3-7			
Spleen		Fibrosis Pigmentation	Focal, Moderate Moderate
Note: FIBROSIS TGLs = 4-21			
Stomach	Epithelium, Forestomach Forestomach Glandular	Hyperplasia Mineralization Mineralization	Mild Moderate Marked
Note: MINERALIZATION TGLs = 8-4			
Testes	Bilateral, Interstit Cell Interstit Cell	Adenoma Atrophy Hyperplasia	Moderate Mild
Note: ATROPHY TGLs = 2-7 Note: ADENOMA TGLs = 1-7			
Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 5

SEX: Male

DAY ON TEST: 663

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Pancreas
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Bone	Femur	Fibrous Osteodystrophy	Mild
	Maxilla	Fibrous Osteodystrophy	Mild
Heart		Inflammation	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Adenoma	
		Cyst	Multiple, Marked
	Renal Tubule	Hyperplasia	Mild
	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Marked
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY	TGLs = 4-22		
Note: CYST	TGLs = 5-22		
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Edema	Moderate
	Inguinal	Hyperplasia	Lymphoid, Mild
Note: EDEMA	TGLs = 9-5		
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Parathyroid Gland		Hyperplasia	Moderate
Preputial Gland		Abscess	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 5

SEX: Male

DAY ON TEST: 663

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039899

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST	TGLs = 1-21,1-21-1,6-21-1	Cyst	Multiple, Marked
Note: ABSCESS	TGLs = 1-21		
Prostate		Inflammation	Suppurative, Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
	Glandular	Mineralization	Moderate
	Forestomach	Squamous Cell Carcinoma	
Note: MINERALIZATION	TGLs = 8-4		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 5

SEX: Male

DAY ON TEST: 518

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Minimal
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Moderate
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Note: NEPHROPATHY	TGLs = 4-5-1		
Liver		Degeneration	Cystic, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA	TGLs = 1-8-1		
Mammary Gland		Hyperplasia	Lobular, Moderate
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral, Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 2-7		
Note: HYPERPLASIA	TGLs = 2-7		
Zymbal's Gland		Carcinoma	
Note: CARCINOMA	TGLs = 5-22		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 4-5-1			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-5			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-8-1			
Nose	Lumen	Foreign Body	Mild
	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Moderate
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039901

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Bilateral, Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 2-7-1

Note: ADENOMA TGLs = 2-7-1

Thyroid Gland

Follicle

Degeneration

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039902

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
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Eye		Cataract	Moderate
	Retina	Degeneration	Moderate
Note: DEGEN TGLs = 1-21			
Note: CATARACT TGLs = 1-21			
Heart		Inflammation	Chronic, Moderate
Kidney		Cyst	Mild
	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Marked
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY TGLs = 3-5			
Liver		Eosinophilic Focus	Mild
		Hepatodiaphragmatic Nodule	Mild
		Leukemia Mononuclear	
Note: HDN TGLs = 4-22			
Lymph Node	Mandibular	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 5-8-1			
Nose	Submucosa	Pigmentation	Mild
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039902

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-7-1

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Esophagus

Intestine Small - Duodenum

Lymph Node - Mandibular

Skin

Urinary Bladder

Bone Marrow

Intestine Large - Cecum

Intestine Small - Ileum

Pituitary Gland

Thymus

Brain

Intestine Large - Colon

Intestine Small - Jejunum

Salivary Glands

Thyroid Gland

Epididymis

Intestine Large - Rectum

Islets, Pancreatic

Seminal Vesicle

Trachea

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland

Bone

Heart

Kidney

Medulla

Femur

Maxilla

Renal Tubule

Transit Epithe

Renal Tubule

Hyperplasia

Fibrous Osteodystrophy

Fibrous Osteodystrophy

Inflammation

Carcinoma

Cyst

Hyperplasia

Nephropathy

Pigmentation

Focal, Mild

Mild

Moderate

Chronic, Mild

Multiple, Marked

Minimal

Chronic, Marked

Minimal

Note: NEPHROPATHY TGLs = 7-5-1

Note: CYST TGLs = 9-24

Note: CARCINOMA TGLs = 8-23,9-24

Liver

Angiectasis

Basophilic Focus

Eosinophilic Focus

Moderate

Multiple, Minimal

Multiple, Moderate

Note: ANGIECTASIS TGLs = 10-25

Note: EOSIN FOCUS TGLs = 10-25

Lung

Lymph Node

Mediastinal

Pancreatic

Pancreatic

Inflammation

Angiectasis

Angiectasis

Hyperplasia

Granulomatous, Multiple, Mild

Mild

Moderate

Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039903

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ANGIECTASIS TGLs = 13-3

Note: PANCREATIC LYMPH NODE SLIDE 7-2 IS PANCREAS,HYPERPLASIA

[Angiectasis TGLS = 5-21]

[Angiectasis TGLS = 5-21]

Mammary Gland

Fibroadenoma

Hyperplasia

Lobular, Moderate

Nose

Submucosa

Pigmentation

Mild

Pancreas

Acinar Cell

Adenoma

Carcinoma

Metastatic (Uncertain Primary Site)

Acinar Cell

Hyperplasia

Moderate

Polyarteritis

Moderate

Note: POLYARTERITIS TGLs = 12-26

Note: HYPERPLASIA TGLs = 15-7-2

Note: ADENOMA TGLs = 12-26

Parathyroid Gland

Hyperplasia

Moderate

Note: HYPERPLASIA TGLs = 14-3

Preputial Gland

Atrophy

Moderate

Prostate

Cyst

Moderate

Inflammation

Suppurative, Moderate

Spleen

Hemangiosarcoma

Note: HEMANGIOSARC TGLs = 6-22

Stomach

Epithelium, Forestomach

Hyperplasia

Moderate

Forestomach

Inflammation

Chronic, Mild

Glandular

Mineralization

Moderate

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Marked

Note: ATROPHY TGLs = 3-7-1

Note: ADENOMA TGLs = 2-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Glandular
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Moderate
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Mild
Liver	Bile Duct	Pigmentation	Mild
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Marked
Note: NECROSIS	TGLs = 11-6-3		
Note: LEUKEMIA MONUC	TGLs = 6-6-2		
Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

Note: LEUKEMIA MONUC TGLs = 10-3

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039904

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-24]

[Leukemia Mononuclear TGLS = 4-23]

[Leukemia Mononuclear TGLS = 3-22]

[Leukemia Mononuclear TGLS = 9-25]

[Leukemia Mononuclear TGLS = 2-8-1]

Mammary Gland

Hyperplasia

Lobular, Mild

Nose

Lumen

Fungus

Moderate

Lumen

Inflammation

Suppurative, Mild

Submucosa

Pigmentation

Mild

Pancreas

Leukemia Mononuclear

Preputial Gland

Bilateral

Atrophy

Moderate

Skin

Keratoacanthoma

Note: KERATOACANTHMA TGLs = 1-21

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-6,5-6-1

Stomach

Epithelium, Forestomach

Hyperplasia

Mild

Testes

Interstit Cell

Adenoma

Note: ADENOMA TGLs = 8-7-1

Thymus

Leukemia Mononuclear

Thyroid Gland

Ultimobranchial Cyst

Moderate

Tissue NOS

Note: TGL-1 ON SLIDE 21 IS SKIN/FORELIMB

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Skin

Stomach - Glandular

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Vacuolization Cytoplasmic

Focal, Minimal

Bone Marrow

Leukemia Mononuclear

Heart

Inflammation

Chronic, Moderate

Leukemia Mononuclear

Kidney

Cyst

Mild

Nephropathy

Chronic, Moderate

Pigmentation

Mild

Renal Tubule

Note: [NEPHROPATHY] TGLs = 8-5

Note: [CYST] TGLs = 7-5

Liver

Degeneration

Cystic, Mild

Eosinophilic Focus

Multiple, Moderate

Bile Duct

Hyperplasia

Moderate

Leukemia Mononuclear

Note: [EOSIN FOCUS] TGLs = 9-21

Lung

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 11-2]

Lymph Node

Mesenteric

Leukemia Mononuclear

Mediastinal

Pigmentation

Moderate

Note: [PIGMENT] TGLs = 10-3

Mammary Gland

Hyperplasia

Lobular, Mild

Mesentery

Leukemia Mononuclear

Note: MESENTERY IS ON SLIDE 5-1

Nose

Submucosa

Pigmentation

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039905

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Acinar Cell	Atrophy Leukemia Mononuclear	Moderate
Preputial Gland	Bilateral	Atrophy	Moderate
Seminal Vesicle		Atrophy	Marked
Note: [ATROPHY] TGLs = 5-7			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-6-1			
Stomach	Epithelium, Forestomach Forestomach	Hyperplasia Inflammation	Marked Chronic, Marked
Testes	Bilateral, Interstit Cell	Adenoma Atrophy	Moderate
Note: [ATROPHY] TGLs = 2-7-1			
Note: [ADENOMA] TGLs = 3-7-1,4-7-1			
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 5

SEX: Male

DAY ON TEST: 481

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Epididymis

Esophagus

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Pancreas

Parathyroid Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Pituitary Gland

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Brain

Glioma Malignant

[Glioma Malignant TGLS = 1-1,1-1-1,1-1-2]

Heart

Inflammation

Chronic, Moderate

Intestine Large

Cecum

Parasite Metazoan

Mild

Kidney

Nephropathy

Chronic, Mild

Liver

Bile Duct

Hyperplasia

Minimal

Nose

Submucosa

Pigmentation

Minimal

Preputial Gland

Cyst

Moderate

Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Pancreas	Pituitary Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Glandular	Thymus	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex, Spindle Cell Medulla	Hyperplasia Pheochromocytoma Benign Leukemia Mononuclear	Focal, Mild
Bone Marrow		Inflammation	Chronic, Mild
Heart		Cyst	Mild
Kidney	Transit Epithe	Hyperplasia Nephropathy	Mild Chronic, Marked
Note: NEPHROPATHY TGLs = 6-5			
Liver		Degeneration Eosinophilic Focus Hepatodiaphragmatic Nodule	Cystic, Minimal Multiple, Mild Mild
	Bile Duct	Hyperplasia Hyperplasia Leukemia Mononuclear	Moderate Nodular, Mild
Note: LEUKEMIA MONUC TGLs = 7-6			
Note: HDN TGLs = 8-24,9-25			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular Mediastinal Mesenteric Pancreatic Renal	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039907

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 11-3

Note: LEUKEMIA MONUC TGLs = 5-23,13-7-2

[Leukemia Mononuclear TGLS = 10-26]

Nose Submucosa

Preputial Gland

Pigmentation

Mild

Carcinoma

Cyst

Marked

Note: CYST TGLs = 1-21

Note: CARCINOMA TGLs = 1-21

Prostate

Cyst

Moderate

Inflammation

Chronic, Moderate

Leukemia Mononuclear

Spleen

Note: LEUKEMIA MONUC TGLs = 12-6-1

Stomach

Epithelium, Forestomach

Hyperplasia

Mild

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-7-1

Thyroid Gland

Follicle

Cyst

Mild

Ureter

Transit Epithe

Hyperplasia

Moderate

Note: HYPERPLASIA TGLs = 3-22

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 4-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Kidney		Cyst	Multiple, Mild
	Renal Tubule	Hyperplasia	Minimal
	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Marked
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 5-5,6-5			
Liver		Clear Cell Focus	Multiple, Minimal
		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-6			
Lung		Leukemia Mononuclear	
Lymph Node	Renal	Angiectasis	Moderate
	Mandibular	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-22			
Note: ANGIECTASIS TGLs = 4-22			
Nose	Submucosa	Pigmentation	Mild
Parathyroid Gland		Adenoma	
Note: TGL-8 ON SLIDE 3 IS PARATHYROID GLAND			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039908

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA Spleen	TGLs = 8-3		Fibrosis Leukemia Mononuclear	Focal, Moderate
Note: LEUKEMIA MONUC Note: FIBROSIS Stomach	TGLs = 3-6-1 TGLs = 2-21	Epithelium, Forestomach Forestomach	Hyperplasia Squamous Cell Papilloma	Moderate
Note: PAPILLOMA SQUA Testes	TGLs = 9-23	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA Thyroid Gland	TGLs = 1-7-1	Follicle	Cyst	Mild
PRIMARY CAUSE OF DEATH	-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 5

SEX: Male

DAY ON TEST: 529

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Kidney	Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Mild
Note: LEUKEMIA MONUC TGLs = 6-5			
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-2			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-3			
[Leukemia Mononuclear TGLS = 5-7-2]			
[Leukemia Mononuclear TGLS = 1-8-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 74	TRT#: 5 DOSE: 0.200%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 529 HISTO: A86039909
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ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-5-2]

Nose	Lumen Lumen Submucosa	Fungus Inflammation Pigmentation	Mild Suppurative, Mild Minimal
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1,3-6-2		
Testes	Interstit Cell Bilateral, Interstit Cell	Adenoma Hyperplasia	Mild
Thymus		Leukemia Mononuclear	
Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 5

SEX: Male

DAY ON TEST: 699

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Moderate
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 3-5		Pigmentation	Minimal
Liver		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
Note: LEUKEMIA MONUC TGLs = 5-6	Vein	Thrombosis	Moderate
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Leukemia Mononuclear	
Seminal Vesicle		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 5

SEX: Male

DAY ON TEST: 699

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039910

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY TGLs = 2-7

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-6-1

Stomach

Epithelium, Forestomach

Hyperplasia

Mild

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-7-1

Urinary Bladder

Transit Epithe

Hyperplasia

Moderate

Note: HYPERPLASIA TGLs = 6-8-2

Note: LEUKEMIA MONUC TGLs = 6-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Moderate
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
		Leukemia Mononuclear	
	Renal	Angiectasis	Moderate
	Mandibular	Cyst	Mild
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

Note: LEUKEMIA MONUC TGLs = 6-6

Note: HYPERPLASIA TGLs = 6-6

Note: HDN TGLs = 5-21

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039911

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 8-3

[Leukemia Mononuclear TGLS = 4-22]

[Leukemia Mononuclear TGLS = 4-22]

[Leukemia Mononuclear TGLS = 7-8-1]

[Leukemia Mononuclear TGLS = 9-7-2]

[Leukemia Mononuclear TGLS = 10-5-1,10-5-2]

Mammary Gland

Hyperplasia

Lobular, Mild

Nose

Lumen

Fungus

Mild

Submucosa

Pigmentation

Mild

Pancreas

Acinar Cell

Atrophy

Mild

Preputial Gland

Bilateral

Atrophy

Moderate

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Mammary Gland
Seminal Vesicle
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Parathyroid Gland
Skin
Trachea

Bone
Intestine Large - Rectum
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Brain
Lymph Node - Mesenteric
Salivary Glands
Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Jejunum

Intestine Large - Colon
Islets, Pancreatic

Intestine Small - Duodenum
Pancreas

Intestine Small - Ileum

OBSERVATIONS

Bone Marrow
Heart
Intest Small
Note: TGL-4 ON SLIDE 21 IS MESENTERY

Leukemia Mononuclear
Inflammation

Chronic, Mild

Kidney
Note: NECROSIS TGLs = 4-21

Renal Tubule

Nephropathy
Pigmentation
Degeneration
Hyperplasia
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Necrosis

Chronic, Mild
Minimal
Cystic, Minimal
Mild
Focal, Moderate

Liver
Note: NECROSIS TGLs = 4-21

Bile Duct

Lung
Lymph Node
Mesentery
Note: NECROSIS TGLs = 4-21

Mandibular
Fat

Fungus
Inflammation
Pigmentation
Cyst

Moderate
Suppurative, Mild
Minimal
Moderate

Nose
Note: NECROSIS TGLs = 4-21

Lumen
Lumen
Submucosa

Preputial Gland
Note: CYST TGLs = 1-8

Cyst
Inflammation
Leukemia Mononuclear

Moderate
Suppurative, Mild

Prostate

Spleen

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039912

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 3-6-1

Stomach

Forestomach

Leukemia Mononuclear

Forestomach

Ulcer

Mild

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039913

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
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Multiple, Moderate
Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Marked
		Pigmentation	Minimal
Note: NEPHROPATHY	TGLs = 3-5		
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Mild
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 4-3		
Mammary Gland		Hyperplasia	Lobular, Moderate
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Moderate
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Moderate
		Inflammation	Chronic, Moderate
Parathyroid Gland		Hyperplasia	Mild
Preputial Gland		Cyst	Mild
		Hyperplasia	Mild
Stomach	Forestomach	Edema	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039913

ORGAN AND ACCOUNTABLE SITE STATUS

Epithelium, Forestomach

Hyperplasia

Moderate

Forestomach

Inflammation

Chronic, Moderate

Testes

Bilateral, Interstit Cell

Adenoma

Moderate

Atrophy

Note: ADENOMA TGLs = 2-7-1

Note: ATROPHY TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Islets, Pancreatic
Prostate
Thymus

Brain
Intestine Large - Colon
Mammary Gland
Salivary Glands
Trachea

Epididymis
Intestine Small - Duodenum
Parathyroid Gland
Seminal Vesicle
Urinary Bladder

Esophagus
Intestine Small - Ileum
Pituitary Gland
Skin

OBSERVATIONS

Adrenal Gland
Bone
Note: HYPEROSTOSIS TGLs = 9-25

Cortex
Calvarium

Vacuolization Cytoplasmic
Hyperostosis

Minimal
Moderate

Bone Marrow
Harderian Gland
Heart
Intestine Large
Intestine Small
Note: THROMBUS TGLs = 5-22
Note: INFLAMMATION TGLs = 5-22

Rectum
Jejunum, Wall
Artery, Jejunum

Leukemia Mononuclear
Hemorrhage
Inflammation
Parasite Metazoan
Inflammation
Thrombosis

Moderate
Chronic, Mild
Mild
Chronic, Marked
Marked

Kidney
Note: NEPHROPATHY TGLs = 3-5

Renal Tubule

Nephropathy
Pigmentation

Chronic, Marked
Minimal

Liver
Note: HDN TGLs = 6-23

Bile Duct

Degeneration
Eosinophilic Focus
Hepatodiaphragmatic Nodule
Hyperplasia
Leukemia Mononuclear

Cystic, Minimal
Minimal
Moderate
Mild

Lung
Note: THROMBUS TGLs = 7-24

Mediastinum
Mediastinum

Leukemia Mononuclear
Polyarteritis
Thrombosis

Multiple, Marked
Multiple, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039914

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYARTERITIS Lymph Node	TGLs = 7-24	Mandibular Mediastinal Mesenteric Pancreatic	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
Note: LEUKEMIA MONUC Mesentery	TGLs = 8-3	Fat	Hemorrhage Polyarteritis Thrombosis	Focal, Marked Marked Multiple, Marked
Note: HEMORRHAGE Note: POLYARTERITIS Note: THROMBUS	TGLs = 4-21,4-21-3 TGLs = 4-21,4-21-2 TGLs = 4-21,4-21-1,4-21-2,4-21-3	Nose Pancreas Preputial Gland	Submucosa Acinar Cell Atrophy Atrophy	Pigmentation Mild Mild Moderate
Note: ATROPHY Spleen	TGLs = 11-8			
Note: LEUKEMIA MONUC Stomach	TGLs = 2-6-1	Forestomach Epithelium, Forestomach Glandular Artery, Glandular Forestomach	Leukemia Mononuclear Edema Hyperplasia Polyarteritis Thrombosis Ulcer	Mild Moderate Moderate Marked Marked
Note: HYPERPLASIA Note: ULCER Note: THROMBUS Note: POLYARTERITIS	TGLs = 12-26 TGLs = 12-26 TGLs = 13-27 TGLs = 13-27			
Testes		Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA Thyroid Gland	TGLs = 1-7-1	Follicle C Cell	Cyst Hyperplasia	Mild Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039914

ORGAN AND ACCOUNTABLE SITE STATUS

Artery

Polyarteritis

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 5

SEX: Male

DAY ON TEST: 511

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Parathyroid Gland

Preputial Gland

Salivary Glands

Seminal Vesicle

Skin

Thymus

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Leukemia Mononuclear

Cortex

Vacuolization Cytoplasmic

Minimal

Note: LEUKEMIA MONUC TGLs = 6-10

Bone Marrow

Leukemia Mononuclear

Heart

Inflammation

Chronic, Moderate

Kidney

Leukemia Mononuclear

Nephropathy

Chronic, Minimal

Liver

Renal Tubule

Pigmentation

Minimal

Bile Duct

Hyperplasia

Mild

Hyperplasia

Nodular, Moderate

Leukemia Mononuclear

Note: HYPERPLASIA TGLs = 7-6

Note: LEUKEMIA MONUC TGLs = 7-6

Lymph Node

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 9-3

Note: LEUKEMIA MONUC TGLs = 8-5-1

Note: LEUKEMIA MONUC TGLs = 5-22

Mammary Gland

Hyperplasia

Lobular, Minimal

Nose

Submucosa

Pigmentation

Mild

Pancreas

Acinar Cell

Atrophy

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 5

SEX: Male

DAY ON TEST: 511

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039915

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Leukemia Mononuclear

Moderate

Pars Intermed

Cyst

Mild

Prostate

Cyst

Suppurative, Mild

Spleen

Inflammation

Leukemia Mononuclear

Necrosis

Moderate

Note: LEUKEMIA MONUC TGLs = 3-6-1

Note: NECROSIS TGLs = 4-21

Stomach

Forestomach

Edema

Mild

Glandular

Erosion

Mild

Epithelium, Forestomach

Hyperplasia

Mild

Forestomach

Ulcer

Multiple, Mild

Note: ULCER TGLs = 11-24

Note: EDEMA TGLs = 11-24

Note: HYPERPLASIA TGLs = 11-24

Note: EROSION TGLs = 10-23

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-7-1,2-7-1

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039916

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	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Clear Cell Focus	Minimal
		Eosinophilic Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Nose	Submucosa	Pigmentation	Moderate
Pancreas	Acinar Cell	Adenoma	
	Acinar Cell	Hyperplasia	Moderate
Spleen		Leukemia Mononuclear	
Stomach			
Note: RAISED AREA (FOCUS) ON SLIDE 4 DUE TO SECTIONING ARTIFACT			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 5

SEX: Male

DAY ON TEST: 669

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Minimal
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 3-5-1			
Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6-1			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-21			
Note: LEUKEMIA MONUC TGLs = 5-8-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 5

SEX: Male

DAY ON TEST: 669

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039917

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Hyperplasia	Lobular, Minimal
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-6		
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 1-7		
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Nephropathy	Chronic, Mild
Note: PIGMENT TGLs = 5-5-1		Pigmentation	Mild
Liver		Degeneration	Cystic, Moderate
	Bile Duct	Eosinophilic Focus	Moderate
		Hyperplasia	Moderate
		Hyperplasia	Nodular, Mild
Note: LEUKEMIA MONUC TGLs = 6-6		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 6-6			
Lung	Mediastinal	Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-3			
Note: LEUKEMIA MONUC TGLs = 4-21			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039918

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 3-6-1

Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 2-7

Note: ADENOMA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039919

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 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	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Islets, Pancreatic		Adenoma	
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Moderate
Note: NEPHROPATHY	TGLs = 5-5-1	Pigmentation	Minimal
Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Moderate
Mammary Gland		Hyperplasia	Lobular, Minimal
Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Prostate		Inflammation	Suppurative, Moderate
Skin	Subcut Tiss	Myxosarcoma	
Note: MYXOSARCOMA	TGLs = 1-21,1-22		
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Tissue NOS			
Note: MASS:TGL-1 ON SLIDE 21 IS SKIN/SUBCUTANEOUS TISSUE			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 5

SEX: Male

DAY ON TEST: 642

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Liver
Parathyroid Gland
Seminal Vesicle
Thymus

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Preputial Gland
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Prostate
Spleen
Trachea

OBSERVATIONS

Brain
[Compression TGLS = 6-1]

Compression
Mild

Heart

Inflammation
Chronic, Mild

Kidney

Transit Epithe

Hyperplasia
Nephropathy
Pigmentation
Minimal
Chronic, Marked
Minimal

Note: NEPHROPATHY TGLs = 4-5-1

Mammary Gland

Duct

Cyst
Hyperplasia
Mild
Lobular, Moderate

Note: CYST TGLs = 1-8

Note: HYPERPLASIA TGLs = 1-8

Nose

Submucosa

Pigmentation
Mild

Pancreas

Acinar Cell

Hyperplasia
Mild

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 5-1]

Stomach

Forestomach
Epithelium, Forestomach
Forestomach

Edema
Hyperplasia
Ulcer
Moderate
Mild
Marked

Testes

Interstit Cell

Adenoma
Atrophy
Marked

Tunic

Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 5

SEX: Male

DAY ON TEST: 642

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039920

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY TGLs = 2-7

Note: ADENOMA TGLs = 3-7

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Mild
Note: [NEPHROPATHY] TGLs = 1-5			
Liver		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039922

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hydronephrosis	Mild
		Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Marked
		Pigmentation	Minimal
Note: [NEPHROPATHY] TGLs = 3-5			
Note: [HYDRONEPHROSIS] TGLs = 4-5			
Liver		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Hyperplasia	Lobular, Minimal
Nose	Submucosa	Pigmentation	Mild
Pancreas		Fibrosis	Focal, Mild
	Acinar Cell	Hyperplasia	Moderate
Parathyroid Gland		Hyperplasia	Mild
Preputial Gland		Cyst	Marked
		Hyperplasia	Mild
Note: [HYPERPLASIA] TGLs = 1-21			
Note: [CYST] TGLs = 1-21			
Stomach	Forestomach	Edema	Marked
	Epithelium, Forestomach	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039922

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Forestomach

Ulcer

Moderate

Bilateral, Interstit Cell

Adenoma

Note: [ADENOMA] TGLs = 2-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skin	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
		[Hemorrhage TGLS = 15-1-1]	
		[Leukemia Mononuclear TGLS = 15-1-1]	
Heart		Leukemia Mononuclear	
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Mild
Note: [LEUKEMIA MONUC] TGLs = 7-5			
Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 8-6			
Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Bronchial	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039923

ORGAN AND ACCOUNTABLE SITE STATUS

Mandibular	Leukemia Mononuclear
Mediastinal	Leukemia Mononuclear
Mesenteric	Leukemia Mononuclear
Pancreatic	Leukemia Mononuclear
Renal	Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-5-1]

[Leukemia Mononuclear TGLS = 14-25]

[Leukemia Mononuclear TGLS = 13-24]

[Leukemia Mononuclear TGLS = 2-8-1]

[Leukemia Mononuclear TGLS = 6-22]

[Leukemia Mononuclear TGLS = 1-21]

[Leukemia Mononuclear TGLS = 9-23]

[Leukemia Mononuclear TGLS = 11-3-1]

Mammary Gland

Leukemia Mononuclear

Nose

Submucosa

Pigmentation

Mild

Pancreas

Leukemia Mononuclear

Preputial Gland

Leukemia Mononuclear

Prostate

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 5-6-1

Stomach

Epithelium, Forestomach

Hyperplasia

Mild

Forestomach

Leukemia Mononuclear

Forestomach

Ulcer

Moderate

Glandular

Ulcer

Moderate

Note: [ULCER] TGLs = 16-4-2

Note: [ULCER] TGLs = 17-4-2

Testes

Interstit Cell

Adenoma

Atrophy

Mild

Note: [ADENOMA] TGLs = 3-7-1

Note: [ATROPHY] TGLs = 4-7-1

Thymus

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039923

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Carcinoma

Note: [CARCINOMA] TGLs = 12-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 5

SEX: Male

DAY ON TEST: 687

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039924

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
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Multiple, Mild
Heart		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Note: [NEPHROPATHY] TGLs = 4-5			
Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-22			
Lung		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Prostate		Inflammation	Suppurative, Mild
Spleen		Fibrosis	Focal, Moderate
		Sarcoma	
Note: [SARCOMA] TGLs = 3-21			
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: [ATROPHY] TGLs = 1-7-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 5

SEX: Male

DAY ON TEST: 687

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039924

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOMA] TGLs = 2-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 5

SEX: Male

DAY ON TEST: 561

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Rectum
Intestine Small - Ileum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Mammary Gland	Parathyroid Gland	Salivary Glands	Skin
Thymus	Thyroid Gland	Trachea	

OBSERVATIONS

Epididymis		Mesothelioma Malignant	
Intestine Large	Cecum	Mesothelioma Malignant	
	Colon	Mesothelioma Malignant	
Intestine Small	Duodenum	Mesothelioma Malignant	
	Jejunum	Mesothelioma Malignant	
Kidney	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Moderate
Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	Multiple, Mild
		Hematopoietic Cell Proliferation	Mild
		Mesothelioma Malignant	
Note: [MESOTHELIO MAL] TGLs = 9-6			
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Mesothelioma Malignant	
	Mediastinal	Pigmentation	Moderate
Note: [PIGMENT] TGLs = 11-3			
[Hyperplasia TGLS = 1-21]			
[Mesothelioma Malignant TGLS = 12-7-2]			
[Pigmentation TGLS = 10-5-1]			
Mesentery		Mesothelioma Malignant	
Note: [MESOTHELIO MAL] TGLs = 6-23,7-24			
Nose	Submucosa	Pigmentation	Minimal
Pancreas		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90	TRT#: 5 DOSE: 0.200%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 561 HISTO: A86039925
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ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 2-22			
Prostate		Mesothelioma Malignant	
Seminal Vesicle		Mesothelioma Malignant	
Spleen		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Malignant	
Note: [HEMA CELL PROL] TGLs = 8-6-1			
Stomach	Forestomach, Serosa	Mesothelioma Malignant	
	Glandular, Serosa	Mesothelioma Malignant	
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Moderate
	Bilateral	Mesothelioma Malignant	
Note: [ATROPHY] TGLs = 5-7-1			
Note: [ADENOMA] TGLs = 4-7-1			
Tissue NOS			
Note: TGL-6 ON SLIDE 23 IS MESENTERY AND CREMASTER MUSCLE			
Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 5

SEX: Male

DAY ON TEST: 491

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: [NEPHROPATHY] TGLs = 5-5-1			
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 6-6-1			
Note: [LEUKEMIA MONUC] TGLs = 6-6-1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-21			
Note: [LEUKEMIA MONUC] TGLs = 7-22			
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 5

SEX: Male

DAY ON TEST: 491

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039926

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Atrophy	Moderate
		Cyst	Mild
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Stomach	Forestomach	Edema	Moderate
	Epithelium, Forestomach	Hyperplasia	Mild
	Forestomach	Ulcer	Mild
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild
Note: [HYPERPLASIA] TGLs = 2-7			
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 7-10			
Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-6,10-6			
Lung		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 11-3			
[Leukemia Mononuclear TGLS = 5-21]			
Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 92	TRT#: 5 DOSE: 0.200%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 632 HISTO: A86039927
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC]	TGLs = 4-6,6-22		
Stomach	Forestomach	Edema	Mild
	Epithelium, Forestomach	Hyperplasia	Moderate
Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: [ADENOMA]	TGLs = 2-7		
Note: [ATROPHY]	TGLs = 3-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039928

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Brain		Compression	Mild
Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Nephropathy	Chronic, Marked
		Pigmentation	Mild
Note: [NEPHROPATHY] TGLs = 6-5-1,7-5-1			
Liver		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Mammary Gland	Duct	Cyst	Moderate
Note: [CYST] TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 5-7			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
Preputial Gland		Cyst	Moderate
Prostate		Inflammation	Suppurative, Moderate
Stomach	Forestomach	Edema	Moderate
	Epithelium, Forestomach	Hyperplasia	Marked
	Forestomach	Inflammation	Chronic, Marked
	Glandular	Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 93	TRT#: 5 DOSE: 0.200%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 632 HISTO: A86039928
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ORGAN AND ACCOUNTABLE SITE STATUS			
Note: [ULCER] TGLs = 9-4 [Hyperplasia TGLS = 9-4] [Inflammation TGLS = 10-4] [Ulcer TGLS = 9-4]	Forestomach	Ulcer	Moderate
Testes Note: [HYPERPLASIA] TGLs = 4-7 Note: [ADENOMA] TGLs = 4-7	Bilateral, Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Intestine Large	Rectum	Edema	Mild
Kidney		Cyst	Mild
	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: [NEPHROPATHY] TGLs = 5-5-1			
Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Moderate
Note: [LEUKEMIA MONUC] TGLs = 4-6-1			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Preputial Gland		Atrophy	Mild
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039929

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LEUKEMIA MONUC] TGLs = 3-6

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Mild

Note: [ADENOMA] TGLs = 1-7

Note: [ATROPHY] TGLs = 2-7

Urinary Bladder

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Nephropathy	Chronic, Marked
		Pigmentation	Minimal
Note: [NEPHROPATHY] TGLs = 7-5-1,8-5-1			
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Moderate
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Adenoma	
	Acinar Cell	Hyperplasia	Moderate
Note: HYPERPLASIA ON SLIDE 7			
Note: ADENOMA ON SLIDE 7-2			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039930

ORGAN AND ACCOUNTABLE SITE STATUS

Parathyroid Gland

Hyperplasia

Moderate

Preputial Gland

Atrophy

Moderate

Carcinoma

Note: [CARCINOMA] TGLs = 2-8

Skin

Subcut Tiss

Fibroma

Keratoacanthoma

Note: [KERATOACANTHMA] TGLs = 1-21

Note: [FIBROMA] TGLs = 10-22

Spleen

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 5-6

Stomach

Forestomach

Edema

Moderate

Glandular

Edema

Moderate

Epithelium, Forestomach

Hyperplasia

Marked

Forestomach

Ulcer

Marked

Note: [HYPERPLASIA] TGLs = 12-4-1

Note: [ULCER] TGLs = 12-4-1

Note: [EDEMA] TGLs = 11-4-1

Note: [EDEMA] TGLs = 12-4-1

Testes

Interstit Cell

Adenoma

Atrophy

Marked

Note: [ADENOMA] TGLs = 4-7

Note: [ATROPHY] TGLs = 3-7

Tissue NOS

Note: TGL-1 ON SLIDE 21 IS SKIN

Note: TGL-10 ON SLIDE 22 IS SKIN/SUBCUTANEOUS TISSUE

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Marked
		Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 3-5			
Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Mild
Note: HYPERPLASIA TGLs = 2-6			
Note: LEUKEMIA MONUC TGLs = 2-6			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 4-21			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039931

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Submucosa	Pigmentation	Mild
Pancreas		Polyarteritis	Mild
Parathyroid Gland		Hyperplasia	Marked
Preputial Gland	Bilateral	Atrophy	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-6-1		
Stomach	Forestomach	Edema	Moderate
	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Ulcer	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 5

SEX: Male

DAY ON TEST: 554

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Minimal
Bone Marrow		Myelofibrosis	Marked
Heart	Atrium	Thrombosis	Moderate
Note: [THROMBUS] TGLs = 7-5-1			
Intestine Large	Rectum	Dilatation	Marked
Intestine Small	Jejunum	Adenocarcinoma	
Note: [ADENOCARC] TGLs = 6-22			
Kidney		Nephropathy	Chronic, Moderate
Note: [NEPHROPATHY] TGLs = 4-5			
Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
Note: [LEUKEMIA MONUC] TGLs = 5-6		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Mammary Gland		Hyperplasia	Lobular, Minimal
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Marked
Prostate		Inflammation	Suppurative, Moderate
Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 5

SEX: Male

DAY ON TEST: 554

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039932

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [FIBROSIS] TGLs = 3-21

Note: [LEUKEMIA MONUC] TGLs = 2-6-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Esophagus	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Bone	Maxilla	Leukemia Mononuclear	
Note: TISSUE OF THE HEAD			
Note: LEUKEMIA MONUC. INVOLVES BONE, MUSCLE, AND SUBCUTANEOUS			
Bone Marrow		Leukemia Mononuclear	
Epididymis		Leukemia Mononuclear	
Eye	Retrobulbar	Leukemia Mononuclear	
Harderian Gland		Carcinoma	
Note: CARCINOMA OVERGROWN WITH LEUKEMIA			
Heart		Inflammation	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: [NEPHROPATHY] TGLs = 7-5			
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Mild
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039933

ORGAN AND ACCOUNTABLE SITE STATUS

	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-22			
Nose	Submucosa	Leukemia Mononuclear	
	Submucosa	Pigmentation	Minimal
Pancreas		Ectopic Tissue	
Note: [ECT TISSUE] TGLs = 5-23			
Note: TGL 5-23 IS ECTOPIC SPLEEN			
Preputial Gland		Adenoma	
		Leukemia Mononuclear	
Skeletal Muscle	Head	Leukemia Mononuclear	
Skin	Subcut Tiss	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-21,8-25,8-25-1			
Spleen		Carcinoma	Metastatic (Harderian Gland)
		Leukemia Mononuclear	
Note: [CARCINOMA] TGLs = 6-24			
Note: [LEUKEMIA MONUC] TGLs = 6-24			
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Moderate
	Tunic	Leukemia Mononuclear	
Note: [ADENOMA] TGLs = 3-7-1			
Note: [ATROPHY] TGLs = 4-7-1			
Tissue NOS			
Note: TGL-1 ON SLIDE 21 IS SKIN			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039934

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
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Mammary Gland
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Carcinoma	
		Cyst	Moderate
	Transit Epithe	Hyperplasia	Moderate
		Nephropathy	Chronic, Marked
	Renal Tubule	Pigmentation	Minimal
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
Lymph Node	Mesenteric	Angiectasis	Moderate
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
		Hyperplasia	Mild
Parathyroid Gland		Atrophy	Moderate
Preputial Gland			
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic, Marked
	Forestomach	Ulcer	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039934

ORGAN AND ACCOUNTABLE SITE STATUS

Atrophy

Moderate

Note: [ATROPHY] TGLs = 1-7-1

Note: [ADENOMA] TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 5

SEX: Male

DAY ON TEST: 658

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039935

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	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Note: [NEPHROPATHY] TGLs = 3-5			
Liver		Clear Cell Focus	Multiple, Minimal
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Mild
		Leukemia Mononuclear	
Note: LIVER SHOWS EARLY LEUKEMIA			
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Lumen	Foreign Body	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Spleen		Leukemia Mononuclear	
Note: SPLEEN SHOWS EARLY LEUKEMIA			
Note: [LEUKEMIA MONUC] TGLs = 2-6-1			
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7-1			
Thyroid Gland	Follicle	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 5

SEX: Male

DAY ON TEST: 658

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039935

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 563

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Mild
Note: LEUKEMIA MONUC TGLs = 7-5-1		Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-23			
Note: HYPERPLASIA TGLs = 8-23			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-5			
Note: LEUKEMIA MONUC TGLs = 11-3			
[Leukemia Mononuclear TGLs = 10-24]			
[Leukemia Mononuclear TGLs = 6-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 563

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039936

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-8-1]

Mammary Gland

Hyperplasia

Lobular, Minimal

Nose

Submucosa

Pigmentation

Mild

Pancreas

Acinar Cell

Atrophy

Mild

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-22

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Mild

Preputial Gland

Atrophy

Moderate

Spleen

Fibrosis

Focal, Moderate

Leukemia Mononuclear

Note: FIBROSIS TGLs = 5-21

Note: LEUKEMIA MONUC TGLs = 4-6

Testes

Interstit Cell

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 3-7

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 633

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Cystic, Marked
	Medulla	Hyperplasia	Focal, Moderate
Note: HYPERPLASIA TGLs = 5-10			
Note: DEGEN TGLs = 5-10			
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney		Cyst	Multiple, Moderate
	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Marked
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 6-5-1			
Note: CYST TGLs = 7-22			
Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-6-1			
Note: DEGEN TGLs = 9-23			
Note: EOSIN FOCUS TGLs = 9-23			
Lung		Leukemia Mononuclear	
	Alveolus	Pigmentation	Mild
Lymph Node	Renal	Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 633

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039937

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 11-24	Renal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Lobular, Minimal
Nose	Submucosa	Pigmentation	Mild
Parathyroid Gland		Hyperplasia	Mild
Preputial Gland		Atrophy	Moderate
Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Note: FIBROSIS TGLs = 4-21			
Stomach	Epithelium, Forestomach	Hyperplasia	Marked
	Forestomach	Inflammation	Chronic, Moderate
	Forestomach	Ulcer	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Mild
Note: ADENOMA TGLs = 1-7			
Note: ATROPHY TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Mild
Note: NEPHROPATHY TGLs = 5-5-1			
Liver	Bile Duct	Degeneration	Cystic, Minimal
		Hyperplasia	Minimal
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 10-2]			
Lymph Node	Iliac	Cyst	Moderate
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: CYST TGLs = 9-24			
Note: LEUKEMIA MONUC TGLs = 8-23			
Note: LEUKEMIA MONUC TGLs = 1-21			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039938

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Submucosa	Pigmentation	Mild
Preputial Gland		Carcinoma	
		Cyst	Moderate
Note: CARCINOMA TGLs = 2-22			
Prostate		Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Moderate
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6-1,4-6-2			
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral, Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 7-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 604

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Jejunum

Islets, Pancreatic

Parathyroid Gland

Preputial Gland

Salivary Glands

Seminal Vesicle

Skin

Stomach - Glandular

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Hyperplasia

Focal, Moderate

Cortex

Leukemia Mononuclear

Cortex

Vacuolization Cytoplasmic

Mild

Bone Marrow

Leukemia Mononuclear

Heart

Leukemia Mononuclear

Intestine Small

Ileum, Lymphoid Tiss

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 9-24

Kidney

Transit Epithe

Hyperplasia

Mild

Nephropathy

Chronic, Moderate

Renal Tubule

Pigmentation

Minimal

Note: NEPHROPATHY TGLs = 6-5-1

Liver

Bile Duct

Hyperplasia

Moderate

Hyperplasia

Nodular, Moderate

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 7-6-1

Lung

Leukemia Mononuclear

Lymph Node

Inguinal

Leukemia Mononuclear

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Renal

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 10-3

Note: LEUKEMIA MONUC TGLs = 2-8-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 604

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039939

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-21]

[Leukemia Mononuclear TGLS = 11-25]

[Leukemia Mononuclear TGLS = 5-22]

[Leukemia Mononuclear TGLS = 8-23]

Mammary Gland

Nose

Pancreas

Submucosa

Hyperplasia

Pigmentation

Ectopic Tissue

Leukemia Mononuclear

Lobular, Mild

Mild

Mild

Note: ECTOPIC TISSUE IS LIVER

Note: LEUKEMIA MONUC TGLs = 5-22

Pituitary Gland

Prostate

Spleen

Note: LEUKEMIA MONUC TGLs = 4-6

Stomach

Pars Distalis

Leukemia Mononuclear

Leukemia Mononuclear

Leukemia Mononuclear

Epithelium, Forestomach

Forestomach

Forestomach

Hyperplasia

Inflammation

Ulcer

Moderate

Chronic, Moderate

Moderate

Note: ULCER TGLs = 12-26

Testes

Bilateral, Interstit Cell

Bilateral, Interstit Cell

Adenoma

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 3-7

Note: ADENOMA TGLs = 3-7

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Pituitary Gland
Salivary Glands	Seminal Vesicle	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 7-24	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Kidney	Transit Epithe	Cyst	Mild
	Renal Tubule	Hyperplasia	Minimal
Note: NEPHROPATHY TGLs = 8-5-1		Nephropathy	Chronic, Marked
Liver		Pigmentation	Mild
	Bile Duct	Degeneration	Cystic, Mild
Note: EOSIN FOCUS TGLs = 11-26		Eosinophilic Focus	Multiple, Moderate
Note: HYPERPLASIA TGLs = 10-6-1		Hyperplasia	Mild
Note: LEUKEMIA MONUC TGLs = 10-6-1		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-23			
Note: LEUKEMIA MONUC TGLs = 9-25			
Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039940

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST Nose Parathyroid Gland Note: HYPERPLASIA Preputial Gland	TGLs = 2-8	Submucosa	Pigmentation Hyperplasia	Minimal Moderate
Note: CYST Note: CARCINOMA Prostate Skin Note: BASAL CEL CARC	TGLs = 3-8-2 TGLs = 3-8-2		Carcinoma Cyst	Moderate
Spleen Note: LEUKEMIA MONUC Note: FIBROSIS	TGLs = 14-6 TGLs = 5-22		Inflammation Basal Cell Carcinoma	Suppurative, Moderate
Stomach [Hyperplasia TGLS = 15-27]		Epithelium, Forestomach Forestomach Forestomach	Fibrosis Leukemia Mononuclear	Focal, Moderate
Testes Note: ADENOMA	TGLs = 4-7-1	Interstit Cell Arteriole	Hyperplasia Inflammation Ulcer	Moderate Chronic, Moderate Moderate
Tissue NOS Note: TGL-1 ON SLIDE 21 IS SKIN			Adenoma Atrophy Inflammation	Marked Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 502

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Thymus	Thyroid Gland	Trachea	Urinary Bladder

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Pancreas

OBSERVATIONS

Epididymis		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 10-7-1			
Heart		Inflammation	Chronic, Mild
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Mild
Note: DEGEN TGLs = 9-6			
Lymph Node	Mediastinal	Pigmentation	Moderate
Note: PIGMENT TGLs = 12-23			
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Minimal
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 6-21			
Nose	Submucosa	Pigmentation	Mild
Preputial Gland		Atrophy	Mild
		Cyst	Mild
Note: CYST TGLs = 13-24			
Skeletal Muscle	Abdominal	Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 8-22			
Spleen		Mesothelioma Malignant	
Stomach	Forestomach	Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 106

TRT#: 5
DOSE: 0.200%

SEX: Male
DISP: Natural Death

DAY ON TEST: 502
HISTO: A86039941

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Glandular Bilateral, Interstit Cell Bilateral Tunic	Mesothelioma Malignant Adenoma Atrophy Mesothelioma Malignant	Moderate
Note: ATROPHY	TGLs = 4-7		
Note: MESOTHELIO MAL	TGLs = 5-7		
Note: ADENOMA	TGLs = 7-7		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 604

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Small - Ileum
Salivary Glands
Trachea

Bone
Intestine Large - Cecum
Intestine Small - Jejunum
Seminal Vesicle
Urinary Bladder

Brain
Intestine Large - Colon
Islets, Pancreatic
Thymus

Epididymis
Intestine Small - Duodenum
Pancreas
Thyroid Gland

OBSERVATIONS

Adrenal Gland

Cortex
Cortex

Leukemia Mononuclear
Vacuolization Cytoplasmic

Focal, Minimal

Bone Marrow
Heart

Leukemia Mononuclear
Leukemia Mononuclear

Intestine Large
Kidney

Rectum
Transit Epithe

Parasite Metazoan
Hyperplasia
Leukemia Mononuclear

Mild
Mild

Renal Tubule

Nephropathy
Pigmentation

Chronic, Marked
Mild

Note: NEPHROPATHY TGLs = 10-5

Liver

Degeneration
Hepatocellular Adenoma

Cystic, Mild

Lung
Lymph Node

Mandibular
Mediastinal
Mesenteric
Pancreatic
Renal
Mediastinal

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Pigmentation

Moderate

Note: LEUKEMIA MONUC TGLs = 14-26

Note: PIGMENT TGLs = 13-3

Note: LEUKEMIA MONUC TGLs = 9-23

Note: LEUKEMIA MONUC TGLs = 13-3

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 604

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039942

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland Note: CYST TGLs = 1-8	Duct	Cyst	Mild
Mesentery Note: LEUKEMIA MONUC TGLs = 12-25 Note: HEMORRHAGE TGLs = 12-25	Fat	Hemorrhage Leukemia Mononuclear	Focal, Moderate
Nose	Lumen Lumen	Fungus Inflammation Metaplasia	Mild Suppurative, Mild Squamous, Mild
Parathyroid Gland	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis Pars Distalis	Hyperplasia Hyperplasia Leukemia Mononuclear	Moderate Focal, Moderate
Preputial Gland Note: CYST TGLs = 2-27		Cyst	Mild
Prostate		Inflammation Leukemia Mononuclear	Suppurative, Mild
Skin	Epidermis	Hyperplasia	Mild
Spleen Note: FIBROSIS TGLs = 7-22 Note: LEUKEMIA MONUC TGLs = 8-6-1		Fibrosis Leukemia Mononuclear	Focal, Moderate
Stomach Note: PIGMENT TGLs = 16-29 Note: ULCER TGLs = 15-28 Note: HYPERPLASIA TGLs = 15-28 Note: INFLAMMATION TGLs = 15-28	Epithelium, Forestomach Forestomach Glandular, Mucosa Forestomach	Hyperplasia Inflammation Pigmentation Ulcer	Moderate Chronic, Moderate Focal, Mild Mild
Testes		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 604

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039942

ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell

Hyperplasia

Mild

Necrosis

Marked

Note: ATROPHY TGLs = 4-7

Note: NECROSIS TGLs = 5-21

Note: NECROSIS DUE TO ISCHEMIA

Note: HYPERPLASIA TGLs = 6-21

Tissue NOS

Note: TGL-12 ON SLIDE 25 IS MESENTERY

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Lymph Node - Mandibular
Prostate
Spleen

Bone Marrow
Intestine Large - Colon
Lymph Node - Mesenteric
Salivary Glands
Thyroid Gland

Brain
Intestine Large - Rectum
Pancreas
Seminal Vesicle
Trachea

Epididymis
Intestine Small - Jejunum
Pituitary Gland
Skin
Urinary Bladder

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Duodenum

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland

Medulla
Medulla

Hemorrhage
Pheochromocytoma Benign

Moderate

Note: PHEOCHROM BGN TGLs = 5-10

Note: HEMORRHAGE TGLs = 5-10

Bone
Heart
Islets, Pancreatic
Kidney

Femur

Fibrous Osteodystrophy
Inflammation
Mixed Tumor Benign

Mild
Chronic, Mild

Kidney

Transit Epithe

Hyperplasia
Nephropathy
Pigmentation

Minimal
Chronic, Marked
Minimal

Note: NEPHROPATHY TGLs = 4-5

Liver

Renal Tubule

Clear Cell Focus
Degeneration
Hyperplasia
Hemorrhage

Multiple, Minimal
Cystic, Mild
Mild
Multiple, Moderate

Lung

[Hemorrhage TGLS = 7-2]

Mammary Gland

Duct

Cyst

Mild

Nose

Lumen

Fungus

Mild

Lumen

Inflammation

Suppurative, Mild

Submucosa

Pigmentation

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039943

ORGAN AND ACCOUNTABLE SITE STATUS

Parathyroid Gland

Hyperplasia

Marked

Preputial Gland

Carcinoma

Cyst

Moderate

Note: CARCINOMA TGLs = 1-21

Note: CYST TGLs = 1-21

Stomach

Epithelium, Forestomach

Hyperplasia

Mild

Glandular

Mineralization

Moderate

Note: HYPERPLASIA TGLs = 9-22

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Moderate

Note: ATROPHY TGLs = 3-7-1

Note: ADENOMA TGLs = 2-7-1

Urin Bladder

Note: BLADDER THICKNESS ALSO DUE TO CONTRACTION OF MUSCLE

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Prostate
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Lung
Parathyroid Gland
Salivary Glands
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pituitary Gland
Seminal Vesicle
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Preputial Gland
Skin
Trachea

OBSERVATIONS

Adrenal Gland
Note: PHEOCHROM BGN TGLs = 5-21

Medulla

Pheochromocytoma Benign

Heart
Kidney

Inflammation
Cyst
Nephropathy
Pigmentation

Chronic, Mild
Multiple, Mild
Chronic, Marked
Minimal

Renal Tubule

Note: NEPHROPATHY TGLs = 2-5

Liver
Nose
Pancreas
Spleen

Bile Duct
Submucosa
Acinar Cell

Hyperplasia
Pigmentation
Adenoma
Fibrosis
Leukemia Mononuclear

Minimal
Mild
Focal, Moderate

Note: LEUKEMIA MONUC TGLs = 4-6-1
Note: FIBROSIS TGLs = 4-6-1

Stomach

Forestomach
Epithelium, Forestomach
Forestomach
Forestomach
Bilateral, Interstit Cell

Edema
Hyperplasia
Inflammation
Ulcer
Adenoma

Moderate
Moderate
Chronic, Marked
Marked

Testes
Note: ADENOMA TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 687

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039945

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
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Pituitary Gland	Salivary Glands
Seminal Vesicle	Spleen	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Marked
		Pigmentation	Minimal
Note: HYPERPLASIA TGLs = 4-5			
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Mild
Note: EOSIN FOCUS TGLs = 5-23			
Lymph Node	Renal	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 6-24			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 3-22			
Nose	Submucosa	Pigmentation	Mild
Parathyroid Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 7-3]			
Preputial Gland		Atrophy	Moderate
		Cyst	Moderate
		Inflammation	Suppurative, Mild
Note: CYST TGLs = 8-25			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 687

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039945

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY	TGLs = 8-25		
Prostate		Inflammation	Suppurative, Mild
Skin		Inflammation	Suppurative, Moderate
		Ulcer	Moderate
Note: ULCER	TGLs = 1-21		
Note: INFLAMMATION	TGLs = 1-21		
Stomach		Hyperplasia	Moderate
	Epithelium, Forestomach	Inflammation	Chronic, Mild
	Forestomach	Mineralization	Mild
	Glandular	Adenoma	
Testes			
	Bilateral, Interstit Cell		
Note: ADENOMA	TGLs = 2-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 6

SEX: Male

DAY ON TEST: 456

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036995

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
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Intestine Small	Jejunum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Chronic, Mild
Liver	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Note: INFLAMMATION TGLs = 2-6			
Lung		Inflammation	Granulomatous, Focal, Mild
Nose	Submucosa	Pigmentation	Minimal
Spleen	Capsule	Hypertrophy	Minimal
Testes		Atrophy	Moderate
		Degeneration	Moderate
Note: DEGEN TGLs = 1-7			
Note: ATROPHY TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 6

SEX: Male

DAY ON TEST: 458

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036996

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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Kidney		Nephropathy	Chronic, Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen	Capsule	Hypertrophy	Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral, Interstit Cell	Hyperplasia	Mild

Note: ADENOMA TGLs = 1-7,2-7

Note: HYPERPLASIA TGLs = 1-7,2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 6

SEX: Male

DAY ON TEST: 458

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Lung		Inflammation	Granulomatous, Focal, Mild
Nose	Submucosa	Pigmentation	Minimal
Spleen	Capsule	Hypertrophy	Minimal
Stomach	Glandular, Serosa	Fibrosis	Focal, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 1-7,2-7			
Note: ADENOMA TGLs = 1-7,2-7			
Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 6

SEX: Male

DAY ON TEST: 456

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Seminal Vesicle
Thymus

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Preputial Gland
Skin
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Pancreas
Prostate
Stomach - Forestomach
Trachea

OBSERVATIONS

Kidney
Liver

Bile Duct

Nephropathy
Hyperplasia
Inflammation
Vacuolization Cytoplasmic
Pigmentation
Hypertrophy
Adenoma

Chronic, Mild
Minimal
Granulomatous, Multiple, Minimal
Minimal
Minimal
Minimal

Nose
Spleen
Testes

Submucosa
Capsule
Bilateral, Interstit Cell

Note: ADENOMA TGLs = 1-7,2-2

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 6

SEX: Male

DAY ON TEST: 457

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036999

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	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
		Vacuolization Cytoplasmic	Minimal
Nose	Submucosa	Pigmentation	Minimal
Prostate		Inflammation	Suppurative, Mild
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Mild
Note: CONGESTION TGLs = 2-6			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 1-7			
Note: ADENOMA TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 6

SEX: Male

DAY ON TEST: 457

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037000

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
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinus	Atrophy	Mild
Spleen		Congestion	Moderate
	Capsule	Hypertrophy	Minimal
		Leukemia Mononuclear	
Note: CONGESTION TGLs = 2-6			
Testes		Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ATROPHY TGLs = 1-7			
Note: ATROPHY IN TESTES UNILATERAL.			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 6

SEX: Male

DAY ON TEST: 456

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Inflammation	Chronic, Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
Liver	Bile Duct	Hepatodiaphragmatic Nodule	Moderate
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Moderate
		Vacuolization Cytoplasmic	Minimal
Note: HDN TGLs = 3-22			
Mesentery			
Note: #21 IS PROSTATE.			
Nose	Submucosa	Pigmentation	Mild
Prostate		Granuloma	Moderate
[Granuloma TGLS = 2-21]			
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Mild
Note: CONGESTION TGLs = 4-6			
Testes	Interstit Cell	Adenoma	Marked
		Atrophy	
	Interstit Cell	Hyperplasia	Mild
Note: UNILATERAL ATROPHY			
[Atrophy TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 6

SEX: Male

DAY ON TEST: 456

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037001

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 6

SEX: Male

DAY ON TEST: 457

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Small - Duodenum
Lung
Pancreas
Seminal Vesicle
Thymus

Bone
Esophagus
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Skin
Thyroid Gland

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

OBSERVATIONS

Heart
Intestine Large
Kidney
Liver

Colon

Bile Duct

Nose

Lumen

Lumen

Pars Distalis

Pituitary Gland
Preputial Gland

Note: CARCINOMA TGLs = 1-8

Spleen
Testes

Capsule
Bilateral, Interstit Cell
Interstit Cell

Note: ADENOMA TGLs = 2-7,3-7

Inflammation
Parasite Metazoan
Nephropathy
Hyperplasia
Inflammation
Vacuolization Cytoplasmic
Fungus
Inflammation
Hyperplasia
Carcinoma

Hypertrophy
Adenoma
Hyperplasia

Chronic, Minimal
Mild
Chronic, Moderate
Minimal
Granulomatous, Multiple, Minimal
Minimal
Marked
Suppurative, Moderate
Focal, Minimal

Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 6

SEX: Male

DAY ON TEST: 106

DOSE: 0.200% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A85033600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Seminal Vesicle
Thymus

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thyroid Gland

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Spleen
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Kidney
Liver

Nephropathy
Hemorrhage
Necrosis

Chronic, Minimal
Focal, Marked
Marked

Note: NECROSIS TGLs = 1-21
Note: HEMORRHAGE TGLs = 1-21

Preputial Gland
Prostate
Stomach
Testes

Epithelium, Forestomach

Cyst
Inflammation
Hyperplasia
Degeneration
Necrosis

Moderate
Suppurative, Mild
Mild
Marked
Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 6

SEX: Male

DAY ON TEST: 456

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tissue NOS
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: HDN TGLs = 4-22			
Nose	Submucosa	Pigmentation	Minimal
Skin	Subcut Tiss	Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 1-21			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-7			
Tissue NOS			
Note: #21 TISSUE NOS IS SUBCUTS/SKIN			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Malignant	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Cyst	Mild
	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Mild
Note: [CYST] TGLs = 4-21			
Liver		Angiectasis	Moderate
		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 5-6			
Lymph Node	Mandibular	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-8-1			
Nose	Lumen	Foreign Body	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040593

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Cyst

Mild

Seminal Vesicle

Atrophy

Mild

Note: [ATROPHY] TGLs = 2-7

Skin

Head, Subcut Tiss

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 3-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ADENOMA] TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 9

SEX: Male

DAY ON TEST: 669

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-8-1		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Hyperplasia	Mild
		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:42
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 122

TRT#: 9
DOSE: 0.0666%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 669
HISTO: A86040594

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-21
Spleen
Note: LEUKEMIA MONUC TGLs = 3-6-1
Testes

Bilateral, Interstit Cell
Interstit Cell
Bilateral, Interstit Cell

Leukemia Mononuclear
Leukemia Mononuclear
Adenoma
Atrophy
Hyperplasia

Moderate
Mild

Note: ADENOMA TGLs = 1-7-1
Note: HYPERPLASIA TGLs = 1-7-1
Tissue NOS
Note: TGL 2-21; IS PREPUTIAL GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:42

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 9

SEX: Male

DAY ON TEST: 641

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-6		
Note: HYPERPLASIA	TGLs = 5-6		
Lung		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-8-1		
Note: LEUKEMIA MONUC	TGLs = 7-3-1		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 9

SEX: Male

DAY ON TEST: 641

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040595

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 6-22

Nose	Submucosa	Pigmentation	Mild
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Atrophy	Moderate
		Cyst	Moderate

Note: ATROPHY TGLs = 1-21

Note: CYST TGLs = 1-21

Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	

Note: LEUKEMIA MONUC TGLs = 4-6-1

Stomach	Forestomach	Edema	Moderate
	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Ulcer	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral, Interstit Cell	Hyperplasia	Mild

Note: HYPERPLASIA TGLs = 2-7-1

Note: ADENOMA TGLs = 2-7-1

Thymus	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Heart		Inflammation	Chronic, Mild
Intestine Large	Cecum	Parasite Metazoan	Moderate
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Granulomatous, Focal, Mild
Note: INFLAMMATION	TGLs = 2-2		
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Renal	Hyperplasia	Lymphoid, Moderate
	Renal	Pigmentation	Moderate
Note: HYPERPLASIA	TGLs = 3-21		
Note: HYPERPLASIA	TGLs = 4-8-1		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Cytomegaly	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Marked
	Medulla	Pheochromocytoma Benign	
Heart		Inflammation	Chronic, Moderate
Intestine Large	Cecum	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-6			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 7-8-1			
Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Mild
Note: CYST TGLs = 2-8			
Note: HYPERPLASIA TGLs = 2-8			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 6-1]			
Preputial Gland		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 125

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040597

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST	TGLs = 1-8		Cyst	Mild
Prostate			Inflammation	Suppurative, Mild
Salivary Glands		Acinar Cell	Atrophy	Mild
Spleen			Leukemia Mononuclear	
Testes		Interstit Cell	Adenoma	
			Atrophy	Moderate
Note: ATROPHY	TGLs = 4-7-1			
Note: ADENOMA	TGLs = 3-7-1			
Thyroid Gland		Follicle	Cyst	Moderate
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Epididymis	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Pancreas	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone		Fibrous Osteodystrophy	Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Marked
		Pigmentation	Minimal
Note: HYPERPLASIA	TGLs = 4-5		
Note: NEPHROPATHY	TGLs = 3-5		
Liver		Basophilic Focus	Multiple, Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-8-1		
Note: LEUKEMIA MONUC	TGLs = 6-21		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040598

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland	Duct	Cyst	Moderate
Nose	Submucosa	Pigmentation	Mild
Parathyroid Gland		Adenoma	
		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-6-1		
Stomach	Forestomach	Mineralization	Moderate
	Glandular	Mineralization	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 9

SEX: Male

DAY ON TEST: 667

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040599

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	Mammary Gland	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Mild
Islets, Pancreatic		Mixed Tumor Benign	
Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 6-5,7-5			
Liver		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Focal, Mild
Lymph Node	Mesenteric	Angiectasis	Moderate
Note: MEDIASTINAL IS MISSING			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Preputial Gland		Carcinoma	
		Cyst	Moderate
Note: CARCINOMA TGLs = 1-8-2			
Note: CYST TGLs = 1-8-2			
Salivary Glands		Cytomegaly	Mild
Stomach	Forestomach	Edema	Mild
	Epithelium, Forestomach	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 127	TRT#: 9 DOSE: 0.0666%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 667 HISTO: A86040599
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ORGAN AND ACCOUNTABLE SITE STATUS

	Forestomach	Inflammation	Chronic, Moderate
	Forestomach	Ulcer	Mild
	Glandular	Ulcer	Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild

Note: ATROPHY TGLs = 4-7-1
Note: ADENOMA TGLs = 3-7-1

PRIMARY CAUSE OF DEATH -

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 9

SEX: Male

DAY ON TEST: 657

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	

Note: HYPERPLASIA TGLs = 4-6

Note: LEUKEMIA MONUC TGLs = 4-6

Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

Note: LEUKEMIA MONUC TGLs = 5-22

Note: LEUKEMIA MONUC TGLs = 8-3

[Leukemia Mononuclear TGLS = 7-8-1]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 9

SEX: Male

DAY ON TEST: 657

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040600

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Moderate
Nose	Submucosa	Pigmentation	Mild
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
Preputial Gland		Cyst	Multiple, Moderate
		Hyperplasia	Moderate
Note: CYST	TGLs = 1-21		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1		
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
		Leukemia Mononuclear	
Note: ADENOMA	TGLs = 2-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 129

TRT#: 9

SEX: Male

DAY ON TEST: 667

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland
Parathyroid Gland	Pituitary Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Islets, Pancreatic		Mixed Tumor Benign	
Kidney	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Minimal
Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-3		
Note: LEUKEMIA MONUC	TGLs = 3-21		
Note: LEUKEMIA MONUC	TGLs = 5-8-1		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
		Leukemia Mononuclear	
Preputial Gland		Atrophy	Moderate
Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 129

TRT#: 9
DOSE: 0.0666%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 667
HISTO: A86040601

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen
Testes
 Note: ADENOMA TGLs = 1-7-1
Thymus

Bilateral, Interstit Cell

Leukemia Mononuclear
Leukemia Mononuclear
Adenoma

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 9

SEX: Male

DAY ON TEST: 667

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Small - Ileum
Salivary Glands
Stomach - Glandular

Bone
Intestine Large - Cecum
Intestine Small - Jejunum
Seminal Vesicle
Thyroid Gland

Brain
Intestine Large - Colon
Islets, Pancreatic
Skin
Trachea

Epididymis
Intestine Small - Duodenum
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland
Bone Marrow
Heart

Medulla

Hyperplasia
Leukemia Mononuclear
Inflammation
Leukemia Mononuclear

Focal, Moderate

Chronic, Mild

Intestine Large
Kidney

Rectum

Parasite Metazoan
Leukemia Mononuclear
Nephropathy
Pigmentation

Mild

Chronic, Moderate
Mild

Note: PIGMENT TGLs = 5-5

Note: LEUKEMIA MONUC TGLs = 5-5

Liver

Bile Duct

Hyperplasia
Leukemia Mononuclear

Mild

Note: LEUKEMIA MONUC TGLs = 4-6

Lung

Note: LEUKEMIA MONUC TGLs = 6-2,6-2-1

Lymph Node

Inguinal
Mandibular
Mediastinal
Mesenteric
Pancreatic

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 7-8-1

Note: LEUKEMIA MONUC TGLs = 8-3

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 9

SEX: Male

DAY ON TEST: 667

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040602

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
Preputial Gland		Atrophy	Moderate
		Autolysis	Moderate
Prostate		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1,3-6-2		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 9

SEX: Male

DAY ON TEST: 558

DOSE: 0.0666%

DISP: Natural Death

HISTO: A86040603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Intestine Small - Duodenum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Ear	Pinna	Schwannoma Malignant	
Note: SCHWANNOMA MAL TGLs = 1-21			
Heart		Inflammation	Chronic, Mild
Intestine Large	Cecum	Dilatation	Moderate
	Colon	Dilatation	Moderate
	Rectum	Dilatation	Moderate
Note: DILATATION TGLs = 4-4-1			
[Dilatation TGLS = 4-4-1]			
[Dilatation TGLS = 4-4-1]			
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Lymph Node	Mandibular	Angiectasis	Mild
	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 2-8-1			
Note: ANGIECTASIS TGLs = 2-8-1			
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
	Respirat Epith	Squamous Cell Carcinoma	
Preputial Gland		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 131	TRT#: 9 DOSE: 0.0666%	SEX: Male DISP: Natural Death	DAY ON TEST: 558 HISTO: A86040603
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ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Inflammation	Suppurative, Mild
Stomach	Epithelium, Forestomach Forestomach	Hyperplasia Ulcer	Moderate Mild
[Ulcer TGLS = 6-4]			
Testes	Bilateral, Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
Note: ADENOMA	TGLs = 3-7		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 9

SEX: Male

DAY ON TEST: 687

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-10		
Bone Marrow		Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 14-1-1		
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Minimal
		Pigmentation	Mild
Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: HYPERPLASIA	TGLs = 9-6		
Note: LEUKEMIA MONUC	TGLs = 9-6		
Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 9

SEX: Male

DAY ON TEST: 687

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040604

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreatic
Renal

Leukemia Mononuclear
Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 11-22
Note: LEUKEMIA MONUC TGLs = 13-3
Note: LEUKEMIA MONUC TGLs = 10-5
Note: LEUKEMIA MONUC TGLs = 2-8-1
Note: LEUKEMIA MONUC TGLs = 7-21
Note: LEUKEMIA MONUC TGLs = 12-23

Mesentery
Pancreas
Pituitary Gland
Preputial Gland

Pars Distalis

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Cyst
Inflammation

Mild
Suppurative, Mild

Note: INFLAMMATION TGLs = 1-7-1
Note: CYST TGLs = 1-7-1

Seminal Vesicle
Spleen

Leukemia Mononuclear
Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-6-1,6-6-2

Testes Bilateral, Interstit Cell

Adenoma
Atrophy

Marked

Note: ATROPHY TGLs = 5-7
Note: ADENOMA TGLs = 4-7

Thymus Mediastinum
Thyroid Gland Follicle

Leukemia Mononuclear
Cyst

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: LEUKEMIA-MESENTERY ADJACENT TO STOMACH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	
Intestine Small	Ileum, Lymphoid Tiss	Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: HDN TGLs = 2-21			
Lung		Alveolar/Bronchiolar Carcinoma	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2-1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose	Submucosa	Pigmentation	Mild
Preputial Gland		Cyst	Mild
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 133

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040605

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 134

TRT#: 9

SEX: Male

DAY ON TEST: 695

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Myelofibrosis	Marked
Heart		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Intestine Small	Ileum, Lymphoid Tiss	Leukemia Mononuclear	
Kidney	Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7-2]			
Mammary Gland	Duct	Cyst	Moderate
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 134

TRT#: 9

SEX: Male

DAY ON TEST: 695

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040606

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]

Preputial Gland

Cyst

Multiple, Moderate

Seminal Vesicle

Hyperplasia

Glandular, Moderate

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-6

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Moderate

Note: ADENOMA TGLs = 1-7

Note: ATROPHY TGLs = 2-7

Thymus

Leukemia Mononuclear

Thyroid Gland

Follicle

Cyst

Mild

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 135

TRT#: 9

SEX: Male

DAY ON TEST: 632

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040607

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 - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Inflammation	Chronic, Moderate
Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Lobular, Mild
Note: FIBROADENOMA TGLs = 1-21			
Nose	Lumen	Foreign Body	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 2-22			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 4-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-7			
Thyroid Gland	C Cell	Hyperplasia	Mild
Tissue NOS			
Note: TGL 2-22 IS SKIN/SUBCUTIS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 135

TRT#: 9

SEX: Male

DAY ON TEST: 632

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040607

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 1-21 IS MAMMARY GL.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040608

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 - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Parathyroid Gland	Prostate
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Note: NEPHROPATHY	TGLs = 6-5,7-22		
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Mild
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Carcinoma	Metastatic (Thyroid Gland)
Note: CARCINOMA	TGLs = 9-2,9-2-1		
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Minimal
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040608

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland

Carcinoma

Cyst

Multiple, Moderate

Note: CARCINOMA TGLs = 2-8-2

Note: CYST TGLs = 1-8-2

Salivary Glands

Infiltration Cellular

Lipocyte, Minimal

Seminal Vesicle

Atrophy

Moderate

Spleen

Fibrosis

Focal, Moderate

Note: FIBROSIS TGLs = 5-21

Testes

Interstit Cell

Adenoma

Atrophy

Mild

Interstit Cell

Hyperplasia

Mild

Note: ATROPHY TGLs = 4-7-1

Note: HYPERPLASIA TGLs = 3-7-1

Note: ADENOMA TGLs = 3-7-1

Thyroid Gland

Follicular Cel

Carcinoma

Note: CARCINOMA TGLs = 8-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 9

SEX: Male

DAY ON TEST: 679

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Jejunum
Pituitary Gland
Testes
Urinary Bladder

Bone Marrow
Intestine Large - Colon
Lymph Node - Mandibular
Prostate
Thymus

Epididymis
Intestine Large - Rectum
Mammary Gland
Seminal Vesicle
Thyroid Gland

Esophagus
Intestine Small - Duodenum
Parathyroid Gland
Skin
Trachea

OBSERVATIONS

Adrenal Gland
Bone
Note: OSTEOMA TGLs = 4-22

Cortex
Cranium

Vacuolization Cytoplasmic
Osteoma

Focal, Mild

Brain
Note: COMPRESSION TGLs = 5-1

Compression

Moderate

Heart
Intestine Small
Islets, Pancreatic
Note: ADENOMA TGLs = 3-21

Ileum, Lymphoid Tiss

Inflammation
Leukemia Mononuclear
Adenoma

Chronic, Moderate

Kidney
Liver
Lung
Lymph Node

Renal Tubule
Bile Duct
Mediastinal
Mediastinal
Mesenteric
Pancreatic

Nephropathy
Pigmentation
Hyperplasia
Leukemia Mononuclear
Cyst
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Chronic, Mild
Minimal
Mild

Note: LEUKEMIA MONUC TGLs = 6-3-1
[Leukemia Mononuclear TGLs = 6-3-1]

Nose
Pancreas
Preputial Gland
Salivary Glands

Submucosa
Acinar Cell

Pigmentation
Atrophy
Cyst
Infiltration Cellular

Mild
Mild
Mild
Lipocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 137

TRT#: 9

SEX: Male

DAY ON TEST: 679

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040609

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-6-1		
Stomach	Forestomach	Edema	Moderate
	Glandular	Edema	Moderate
	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Ulcer	Multiple, Moderate
	Glandular	Ulcer	Multiple, Mild
Note: HYPERPLASIA	TGLs = 7-4-1		
Note: EDEMA	TGLs = 7-4-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 9

SEX: Male

DAY ON TEST: 437

DOSE: 0.0666%

DISP: Natural Death

HISTO: A86037015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain		Hemorrhage	Marked
		Leukemia Mononuclear	
Note: HEMORRHAGE TGLs = 5-1 [Leukemia Mononuclear TGLS = 5-1]			
Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Lobular, Minimal
Preputial Gland		Cyst	Moderate
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 9

SEX: Male

DAY ON TEST: 437

DOSE: 0.0666%

DISP: Natural Death

HISTO: A86037015

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 1-21

Note: CYST TGLs = 1-21

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-6

Testes

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 9

SEX: Male

DAY ON TEST: 557

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Jejunum
Seminal Vesicle
Trachea

Bone
Intestine Large - Colon
Mammary Gland
Skin
Urinary Bladder

Epididymis
Intestine Large - Rectum
Pancreas
Stomach - Glandular

Esophagus
Intestine Small - Duodenum
Parathyroid Gland
Thyroid Gland

MISSING

Thymus

OBSERVATIONS

Adrenal Gland
Bone Marrow
Brain

Cortex

Vacuolization Cytoplasmic
Leukemia Mononuclear
Compression

Focal, Mild

Moderate

[Compression TGLS = 6-1]

Heart
Intestine Small
Islets, Pancreatic
Kidney

Ileum, Lymphoid Tiss

Inflammation
Leukemia Mononuclear
Hyperplasia
Nephropathy
Pigmentation

Chronic, Moderate

Mild
Chronic, Moderate
Minimal

Note: NEPHROPATHY TGLs = 4-5

Liver

Bile Duct

Hyperplasia
Leukemia Mononuclear
Leukemia Mononuclear

Moderate

Lung
Lymph Node

Bronchial
Mandibular
Mediastinal
Mesenteric

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Nose

Lumen
Lumen
Pars Distalis

Fungus
Inflammation
Adenoma

Moderate
Suppurative, Mild

[Adenoma TGLS = 5-1-1]

Preputial Gland

Cyst

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 9

SEX: Male

DAY ON TEST: 557

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040610

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 3-7		
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Edema	Marked
	Epithelium, Forestomach	Hyperplasia	Mild
	Forestomach	Ulcer	Moderate
Note: EDEMA	TGLs = 7-4-2		
Note: ULCER	TGLs = 8-4-2		
Note: HYPERPLASIA	TGLs = 8-4-2		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Degeneration	Moderate
Note: DEGEN TGLs = 1-21			
Heart		Inflammation	Chronic, Moderate
Intestine Small	Ileum, Lymphoid Tiss	Leukemia Mononuclear	
Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY TGLs = 4-5			
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: HDN TGLs = 6-22			
Note: LEUKEMIA MONUC TGLs = 5-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040590

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 7-3-1
Preputial Gland

Atrophy
Cyst
Leukemia Mononuclear

Moderate
Mild

Spleen
Note: LEUKEMIA MONUC TGLs = 3-6-1

Testes Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040591

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
Islets, Pancreatic	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Moderate
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 4-5		Pigmentation	Mild
Liver		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild
Note: LEUKEMIA MONUC TGLs = 5-3-1			
Note: PIGMENT TGLs = 5-3-1			
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 141	TRT#: 9	SEX: Male	DAY ON TEST: 729
	DOSE: 0.0666%	DISP: Terminal Sacrifice	HISTO: A86040591

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7-1			
Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 9

SEX: Male

DAY ON TEST: 718

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Malignant	
	Cortex	Vacuolization Cytoplasmic	Mild
Note: LEUKEMIA MONUC	TGLs = 9-10		
Note: LEUKEMIA MONUC	TGLs = 9-10		
Note: PHEOCHROM MAL	TGLs = 8-24		
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
Note: HEMORRHAGE	TGLs = 15-1,15-1-1		
Note: LEUKEMIA MONUC	TGLs = 15-1,15-1-1		
Heart		Leukemia Mononuclear	
Intestine Small	Ileum, Lymphoid Tiss	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: LEUKEMIA MONUC	TGLs = 10-5		
Note: NEPHROPATHY	TGLs = 10-5		
Liver	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
Note: LEUKEMIA MONUC	TGLs = 11-6,12-6		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 9

SEX: Male

DAY ON TEST: 718

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040611

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA	TGLs = 11-6		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 14-2,14-2-1		
Lymph Node		Mandibular	Leukemia Mononuclear
		Mesenteric	Leukemia Mononuclear
		Pancreatic	Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 13-5-1		
Note: LEUKEMIA MONUC	TGLs = 5-22		
Mammary Gland		Duct	Cyst
Mesentery		Fat	Necrosis
Note: NECROSIS	TGLs = 4-21		
Nose		Submucosa	Pigmentation
Pancreas		Acinar Cell	Atrophy
Pituitary Gland		Pars Distalis	Hyperplasia
		Pars Distalis	Leukemia Mononuclear
Preputial Gland			Atrophy
			Cyst
Spleen			Fibrosis
			Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 6-6-1,6-6-2		
Note: FIBROSIS	TGLs = 7-23		
Stomach		Glandular	Edema
		Epithelium, Forestomach	Hyperplasia
		Forestomach	Ulcer
Testes		Interstitial Cell	Adenoma
			Atrophy
		Interstitial Cell	Hyperplasia
Note: ATROPHY	TGLs = 2-7-1		
Note: ADENOMA	TGLs = 3-7-1		
Note: HYPERPLASIA	TGLs = 2-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 9

SEX: Male

DAY ON TEST: 647

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Islets, Pancreatic
Mammary Gland
Seminal Vesicle
Thymus

Adrenal Gland - Medulla
Epididymis
Intestine Small - Duodenum
Lung
Parathyroid Gland
Skin
Trachea

Bone
Esophagus
Intestine Small - Ileum
Lymph Node - Mandibular
Prostate
Spleen
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular

OBSERVATIONS

Heart
Intestine Large
Kidney

Note: NEPHROPATHY TGLs = 6-5,1-5
Liver

Nose

Pancreas
Pituitary Gland
[Adenoma TGLS = 5-1]
Preputial Gland

Stomach

Testes

Note: ATROPHY TGLs = 2-7-1
Note: ADENOMA TGLs = 3-7-1
Thyroid Gland
[Carcinoma TGLS = 4-3]

Rectum

Renal Tubule

Respirat Epith
Submucosa
Acinar Cell
Pars Distalis

Epithelium, Forestomach
Forestomach
Bilateral, Interstit Cell

Follicular Cel

Inflammation
Parasite Metazoan
Nephropathy
Pigmentation

Eosinophilic Focus
Vacuolization Cytoplasmic
Hyperplasia
Pigmentation
Atrophy
Adenoma

Atrophy
Cyst
Hyperplasia
Ulcer
Adenoma
Atrophy

Carcinoma

Chronic, Moderate
Mild
Chronic, Marked
Minimal

Moderate
Mild
Moderate
Mild
Mild

Mild
Moderate
Moderate
Mild

Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 9

SEX: Male

DAY ON TEST: 647

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040612

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Glandular	Thymus	Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Leukemia Mononuclear	
	Hemal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

Note: [LEUKEMIA MONUC] TGLs = 12-6

Lung

Lymph Node

Note: [LEUKEMIA MONUC] TGLs = 9-5

Note: [LEUKEMIA MONUC] TGLs = 1-8-1

Note: [LEUKEMIA MONUC] TGLs = 10-21

Note: [LEUKEMIA MONUC] TGLs = 11-22

Note: [LEUKEMIA MONUC] TGLs = 5-7-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040592

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LEUKEMIA MONUC] TGLs = 13-3

Nose	Lumen	Foreign Body	Mild
	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
Pancreas	Acinar Cell	Atrophy	Mild
Preputial Gland		Abscess	Moderate
		Atrophy	Moderate
		Leukemia Mononuclear	

Note: [LEUKEMIA MONUC] TGLs = 2-8

Note: [ABSCESS] TGLs = 2-8

Seminal Vesicle		Atrophy	Moderate
Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
		Necrosis	Marked

Note: [LEUKEMIA MONUC] TGLs = 6-6-1

Note: [NECROSIS] TGLs = 7-23

Note: [FIBROSIS] TGLs = 6-6-1

Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Testes	Interstit Cell	Adenoma	
		Atrophy	Marked

Note: [ADENOMA] TGLs = 3-7

Note: [ATROPHY] TGLs = 4-7

Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040613

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	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Pituitary Gland

OBSERVATIONS

Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Mild
Lung		Infiltration Cellular	Histiocyte, Focal, Mild
		[Infiltration Cellular TGLS = 3-2]	
Mammary Gland		Hyperplasia	Lobular, Minimal
Nose	Lumen	Foreign Body	Moderate
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland			
		Note: PITUITARY LOST IN PROCESSING	
Preputial Gland		Adenoma	
		Cyst	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Mild
		Note: [ATROPHY] TGLs = 2-7-1	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040613

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOMA] TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 9

SEX: Male

DAY ON TEST: 646

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-3			
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Minimal
Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Atrophy	Moderate
		Cyst	Multiple, Moderate
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 9

SEX: Male

DAY ON TEST: 646

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040614

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LEUKEMIA MONUC] TGLs = 2-6-1

Stomach

Epithelium, Forestomach

Hyperplasia

Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ADENOMA] TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 9

SEX: Male

DAY ON TEST: 596

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Mammary Gland	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Small	Ileum	Leukemia Mononuclear	
Islets, Pancreatic		Adenoma	
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Mild
Note: [NEPHROPATHY] TGLs = 4-5			
Liver	Bile Duct	Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 5-6			
Note: [LEUKEMIA MONUC] TGLs = 5-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 7-3			
Note: [LEUKEMIA MONUC] TGLs = 8-5-1			
Nose	Lumen	Fungus	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 9

SEX: Male

DAY ON TEST: 596

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040615

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Submucosa	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Note: [CYST] TGLs = 6-1			
Preputial Gland		Carcinoma	
		Cyst	Moderate
		Hyperplasia	Mild
Note: [CARCINOMA] TGLs = 1-21			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6-1			
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: [ADENOMA] TGLs = 2-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Islets, Pancreatic		Adenoma	
Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: [NEPHROPATHY] TGLs = 2-5			
Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [DEGEN] TGLs = 4-21			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Lobular, Minimal
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
Preputial Gland		Atrophy	Mild
Skin	Subcut Tiss	Fibroma	
Note: [FIBROMA] TGLs = 5-22			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040616

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOMA] TGLs = 1-7-1

Tissue NOS

Note: TGL 5-22 IS SKIN/SUBCUTIS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040617

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
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Multiple, Mild
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Mild
	Mediastinal	Hyperplasia	Lymphoid, Moderate
Mammary Gland		Hyperplasia	Lobular, Minimal
Pancreas	Acinar Cell	Hyperplasia	Marked
Prostate		Inflammation	Suppurative, Mild
Seminal Vesicle		Atrophy	Mild
Note: [ATROPHY] TGLs = 2-7			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain		Compression	Moderate
[Compression TGLS = 5-1]			
Coagulating Gland		Inflammation	Suppurative, Moderate
Heart		Inflammation	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 4-5		Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node			
Note: MESENTERIC LN ON SLIDE 5-1 IS PANCREAS			
Mammary Gland	Duct	Cyst	Mild
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Moderate
Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040618

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland [Adenoma TGLS = 6-1-1]	Pars Distalis	Adenoma	
Prostate		Inflammation Inflammation	Chronic, Marked Suppurative, Moderate
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-7-1 Note: ATROPHY TGLs = 3-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 9

SEX: Male

DAY ON TEST: 604

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
	Atrium	Thrombosis	Moderate
Note: THROMBUS	TGLs = 3-5-2		
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Cyst	Multiple, Mild
Prostate		Inflammation	Suppurative, Marked
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-6		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 9

SEX: Male

DAY ON TEST: 604

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040619

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Bilateral, Interstit Cell

Adenoma

Bilateral, Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 9

SEX: Male

DAY ON TEST: 683

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Islets, Pancreatic		Adenoma	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 5-5		Pigmentation	Mild
Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Fibrosis	Moderate
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Moderate
Nose	Submucosa	Pigmentation	Mild
Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 9

SEX: Male

DAY ON TEST: 683

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040620

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
Preputial Gland		Atrophy	Mild
		Cyst	Marked
Note: CYST	TGLs = 1-21		
Prostate		Inflammation	Suppurative, Moderate
Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6-1		
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 2-7-1		
Note: ATROPHY	TGLs = 3-7-1		
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland	Seminal Vesicle
Skin	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Note: EOSIN FOCUS TGLs = 6-22			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Cyst	Multiple, Moderate
	Pancreatic	Cyst	Multiple, Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-7-2 [Leukemia Mononuclear TGLS = 3-7-2]			
Nose	Lumen	Fungus	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040621

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Lumen Submucosa Acinar Cell Acinar Cell	Inflammation Pigmentation Atrophy Hyperplasia	Suppurative, Moderate Mild Mild Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
Preputial Gland		Cyst	Mild
Prostate		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 2-7			
Salivary Glands		Cytomegaly	Moderate
Spleen		Hyperplasia Inflammation	Lymphoid, Histiocytic, Minimal Granulomatous, Multiple, Minimal
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Note: ATROPHY TGLs = 1-7-1			
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 9

SEX: Male

DAY ON TEST: 533

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-6		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 9-2		
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-22		
Note: LEUKEMIA MONUC	TGLs = 1-8-1		
Note: LEUKEMIA MONUC	TGLs = 8-3		
	[Leukemia Mononuclear TGLS = 7-5-1]		
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 9

SEX: Male

DAY ON TEST: 533

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040622

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Intermed

Cyst

Moderate

Pars Distalis

Leukemia Mononuclear

Note: CYST TGLs = 10-1-1,11-1-1

Preputial Gland

Cyst

Mild

Prostate

Inflammation

Suppurative, Moderate

Inflammation

Chronic, Moderate

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-6-1,3-6-2,4-21

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Brain
Epididymis	Esophagus	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Pancreas	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Intestine Large	Cecum	Leukemia Mononuclear	
	Colon	Parasite Metazoan	Mild
Kidney		Cyst	Moderate
	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Marked
		Pigmentation	Mild
Note: NEPHROPATHY TGLs = 1-5-1			
Note: LEUKEMIA MONUC TGLs = 1-5-1			
Liver		Degeneration	Cystic, Marked
		Eosinophilic Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 3-6-1			
Note: LEUKEMIA MONUC TGLs = 3-6-1			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040623

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Mesenteric	Leukemia Mononuclear	
Parathyroid Gland	Submucosa	Pigmentation	Mild
Spleen		Hyperplasia	Moderate
Note: LEUKEMIA MONUC TGLs = 2-6		Leukemia Mononuclear	
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 6-21			
Testes	Bilateral, Interstit Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Parathyroid Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Bone Marrow

Leukemia Mononuclear

Heart

Inflammation

Chronic, Moderate

Intestine Large

Rectum

Parasite Metazoan

Mild

Kidney

Leukemia Mononuclear

Nephropathy

Chronic, Mild

Liver

Renal Tubule

Pigmentation

Minimal

Bile Duct

Hyperplasia

Moderate

Hyperplasia

Nodular, Mild

Leukemia Mononuclear

Note: HYPERPLASIA TGLs = 4-21

Lung

Leukemia Mononuclear

Lymph Node

Inguinal

Leukemia Mononuclear

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Mammary Gland

Duct

Cyst

Mild

Nose

Submucosa

Pigmentation

Mild

Pancreas

Acinar Cell

Atrophy

Mild

Pituitary Gland

Pars Distalis

Cyst

Mild

Pars Distalis

Hyperplasia

Focal, Mild

Preputial Gland

Atrophy

Multiple, Mild

Cyst

Mild

Spleen

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040624

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 3-6

Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
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Testes	Interstitial Cell	Adenoma	
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		Atrophy	Marked
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Note: ADENOMA TGLs = 2-7

Note: ATROPHY TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 9

SEX: Male

DAY ON TEST: 722

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040625

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
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Prostate	Seminal Vesicle	Stomach - Glandular
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 3-22	Medulla	Pheochromocytoma Benign	
Heart		Inflammation	Chronic, Mild
Kidney Note: NEPHROPATHY TGLs = 4-5-1	Renal Tubule	Nephropathy Pigmentation	Chronic, Moderate Minimal
Liver Note: LEUKEMIA MONUC TGLs = 5-6-1	Centrilobular	Degeneration Hyperplasia Leukemia Mononuclear	Moderate Nodular, Moderate
Lung Lymph Node Note: ANGIECTASIS TGLs = 8-3	Alveolar Epith Mediastinal	Hyperplasia Angiectasis	Focal, Moderate Moderate
Mammary Gland Note: CYST TGLs = 1-8	Duct	Cyst	Moderate
Nose	Lumen Septum Submucosa	Inflammation Inflammation Pigmentation	Suppurative, Mild Chronic, Moderate Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Cyst	Moderate
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Skin Note: PAPILLOMA SQUA TGLs = 9-23		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 157	TRT#: 9 DOSE: 0.0666%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 722 HISTO: A86040625
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen Note: FIBROSIS TGLs = 2-21		Fibrosis	Focal, Marked
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Testes	Interstit Cell	Hyperplasia	Mild
Thymus		Fibrosis	Moderate
Thyroid Gland Note: ADENOMA TGLs = 6-3	C Cell	Adenoma	
Tissue NOS Note: TGL 9-23 IS SKIN/LIP			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040626

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 - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Intestine Small	Ileum	Hyperplasia	Lymphoid, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Clear Cell Focus	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Focal, Mild
Pancreas	Acinar Cell	Atrophy	Mild
Prostate		Inflammation	Suppurative, Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 159

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040627

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 - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Heart		Inflammation	Chronic, Mild
Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Multiple, Minimal
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Moderate
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Mild
Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Moderate
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 2-7-1		
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Cyst	Multiple, Mild
Nose	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Preputial Gland		Cyst	Mild
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 3-7-1		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6		
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Moderate
Note: ADENOMA	TGLs = 2-7		
Note: ATROPHY	TGLs = 1-7		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 160

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040628

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 9

SEX: Male

DAY ON TEST: 637

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
Note: HEMORRHAGE TGLs = 8-1 [Leukemia Mononuclear TGLs = 8-1]			
Heart		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-6-1 Note: HYPERPLASIA TGLs = 6-23			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-22 Note: LEUKEMIA MONUC TGLs = 7-3			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 9

SEX: Male

DAY ON TEST: 637

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040629

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland	Duct	Cyst	Moderate
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
		Leukemia Mononuclear	
	Acinar Cell	Vacuolization Cytoplasmic	Mild
Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
Preputial Gland		Atrophy	Mild
		Cyst	Multiple, Moderate
Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
Note: LEUKEMIA MONUC	TGLs = 2-6		
Note: NECROSIS	TGLs = 3-21		
Stomach	Glandular	Erosion	Multiple, Mild
	Epithelium, Forestomach	Hyperplasia	Minimal
	Glandular	Leukemia Mononuclear	
Note: EROSION	TGLs = 9-4-2		
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 1-7		
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 9

SEX: Male

DAY ON TEST: 722

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Mild
Note: NEPHROPATHY TGLs = 7-5-1			
Liver	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Marked
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 9-23			
Note: LEUKEMIA MONUC TGLs = 8-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 11-24			
Note: LEUKEMIA MONUC TGLs = 10-3			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 9

SEX: Male

DAY ON TEST: 722

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040630

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 6-22

Mammary Gland

Duct

Cyst

Moderate

Nose

Submucosa

Pigmentation

Mild

Preputial Gland

Atrophy

Moderate

Cyst

Moderate

Hyperplasia

Moderate

Note: CYST TGLs = 1-8

Note: HYPERPLASIA TGLs = 1-8

Prostate

Inflammation

Suppurative, Moderate

Spleen

Fibrosis

Focal, Moderate

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-6

Note: FIBROSIS TGLs = 5-21

Testes

Interstit Cell

Adenoma

Bilateral

Atrophy

Moderate

Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 3-7

Note: ATROPHY TGLs = 2-7

Thyroid Gland

Follicle

Cyst

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 9

SEX: Male

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mammary Gland	Nose
Parathyroid Gland	Prostate	Seminal Vesicle	Skin
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 4-5-1			
Liver		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-6-1			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
Preputial Gland		Cyst	Moderate
		Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 9

SEX: Male

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040631

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY TGLs = 1-7

Note: ADENOMA TGLs = 2-7

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040632

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	Lymph Node - Mesenteric	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skin
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Cystic, Marked
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Epididymis		Mesothelioma Malignant	
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY TGLs = 7-5-1			
Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	Multiple, Moderate
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: EOSIN FOCUS TGLs = 8-6-1,9-23			
Note: HYPERPLASIA TGLs = 8-6-1,9-23			
Note: LEUKEMIA MONUC TGLs = 10-6-1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Cyst	Multiple, Mild
	Mediastinal	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 9

SEX: Male

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040632

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROADENOMA	TGLs = 1-21			
Mesentery			Mesothelioma Malignant	
Note: MESOTHELIO MAL	TGLs = 2-22			
Nose		Lumen	Fungus	Moderate
		Respirat Epith	Hyperkeratosis	Moderate
		Lumen	Inflammation	Suppurative, Mild
		Submucosa	Pigmentation	Mild
Pancreas		Acinar Cell	Atrophy	Mild
Preputial Gland			Atrophy	Moderate
Prostate			Mesothelioma Malignant	
Spleen			Leukemia Mononuclear	
			Mesothelioma Malignant	
Note: LEUKEMIA MONUC	TGLs = 6-6			
Stomach		Epithelium, Forestomach	Hyperplasia	Minimal
		Glandular	Leukemia Mononuclear	
Testes		Interstit Cell	Adenoma	
			Atrophy	Marked
		Interstit Cell	Hyperplasia	Mild
		Tunic	Mesothelioma Malignant	
Note: ADENOMA	TGLs = 3-7			
Note: ATROPHY	TGLs = 4-7			
Tissue NOS				
Note: TGL 1-21 IS MAMMARY GL.				

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 9

SEX: Male

DAY ON TEST: 716

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Brain		Compression	Moderate
Note: COMPRESSION	TGLs = 9-1		
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY	TGLs = 6-5		
Liver		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: EOSIN FOCUS	TGLs = 7-6		
Note: LEUKEMIA MONUC	TGLs = 7-6		
Note: HYPERPLASIA	TGLs = 7-6		
Lymph Node	Pancreatic	Angiectasis	Moderate
Note: ANGIECTASIS	TGLs = 5-22		
Mammary Gland	Duct	Cyst	Mild
Note: CYST	TGLs = 1-8		
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 3-21		
Nose	Submucosa	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 9

SEX: Male

DAY ON TEST: 716

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040633

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland Note: CARCINOMA TGLs = 8-1-1	Pars Distalis	Carcinoma	
Preputial Gland		Atrophy Cyst	Moderate Moderate
Prostate		Inflammation	Suppurative, Moderate
Spleen Note: LEUKEMIA MONUC TGLs = 4-6-1		Leukemia Mononuclear	
Testes Note: ATROPHY TGLs = 2-7-1	Bilateral Interstit Cell	Atrophy Hyperplasia	Marked Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 9

SEX: Male

DAY ON TEST: 646

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Pituitary Gland	Seminal Vesicle	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6		
Lung		Infiltration Cellular	Histiocyte, Focal, Mild
Pancreas	Acinar Cell	Atrophy	Mild
Preputial Gland		Atrophy	Mild
		Cyst	Multiple, Moderate
Prostate		Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1		
Stomach	Forestomach	Edema	Marked
	Glandular	Edema	Moderate
	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Ulcer	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 166

TRT#: 9
DOSE: 0.0666%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 646
HISTO: A86040634

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA	TGLs = 2-7-1	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 1-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 9

SEX: Male

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040635

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Cortex	Adenoma	
	Medulla	Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Moderate
		Schwannoma Benign	
Note: SCHWANNOMA BGN TGLs = 5-5-2			
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6			
Mammary Gland		Hyperplasia	Lobular, Mild
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 2-21-1			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1-1]			
Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 9

SEX: Male

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040635

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen Note: LEUKEMIA MONUC TGLs = 3-6-1		Leukemia Mononuclear	
Stomach Note: PAPILLOMA SQUA TGLs = 7-4-2	Epithelium, Forestomach Forestomach	Hyperplasia Squamous Cell Papilloma	Mild
Testes Note: ADENOMA TGLs = 1-7-1	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 9

SEX: Male

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Clear Cell Focus	Multiple, Minimal
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC			TGLs = 6-6
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
Note: CYST			TGLs = 1-21
Nose	Submucosa	Pigmentation	Mild
Salivary Glands		Cytomegaly	Moderate
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY			TGLs = 3-7
Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 9

SEX: Male

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040636

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROSIS TGLs = 5-6-1

Note: LEUKEMIA MONUC TGLs = 4-6-1

Stomach

Epithelium, Forestomach

Hyperplasia

Mild

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 9

SEX: Male

DAY ON TEST: 686

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Intermed	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Cyst TGLS = 5-1]			
Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
Note: FIBROSIS TGLs = 3-21			
Note: LEUKEMIA MONUC TGLs = 2-6			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 9

SEX: Male

DAY ON TEST: 686

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040637

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 9

SEX: Male

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Minimal
Liver	Bile Duct	Eosinophilic Focus	Multiple, Moderate
		Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA	TGLs = 4-6		
Note: LEUKEMIA MONUC	TGLs = 4-6		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-2,5-2-1		
Lymph Node	Pancreatic	Angiectasis	Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-2-1		
Note: MEDIASTINAL LN	TGL-6 IS ON SLIDE 2-1 NOT 3-1		
Note: ANGIECTASIS	TGLs = 7-21		
Nose	Lumen	Foreign Body	Mild
	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 9

SEX: Male

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040638

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Submucosa Acinar Cell	Pigmentation Atrophy Edema	Mild Mild Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6-1			
Stomach	Glandular Epithelium, Forestomach Forestomach	Edema Hyperplasia Squamous Cell Carcinoma	Mild Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 171

TRT#: 10

SEX: Male

DAY ON TEST: 456

DOSE: 0.0666% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Urinary Bladder

OBSERVATIONS

Kidney		Nephropathy	Chronic, Moderate
Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Preputial Gland		Atrophy	Moderate
		Cyst	Moderate

Note: ATROPHY TGLs = 2-8-1

Note: CYST TGLs = 2-8-1

Spleen	Capsule	Hypertrophy	Minimal
Testes	Interstitial Cell	Adenoma	
	Bilateral, Interstit Cell	Hyperplasia	Mild

Note: ADENOMA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 10

SEX: Male

DAY ON TEST: 458

DOSE: 0.0666% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Spleen

Stomach - Glandular

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Mild

Liver

Eosinophilic Focus

Minimal

Inflammation

Granulomatous, Multiple, Minimal

Vacuolization Cytoplasmic

Mild

Preputial Gland

Carcinoma

Cyst

Moderate

Note: CYST TGLs = 1-8-1

Stomach

Epithelium, Forestomach

Hyperplasia

Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Bilateral, Interstit Cell

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 2-7

Note: ADENOMA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 10

SEX: Male

DAY ON TEST: 457

DOSE: 0.0666% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Preputial Gland

Spleen

Urinary Bladder

OBSERVATIONS

Eye

Cataract

Moderate

Retina

Degeneration

Marked

Note: CATARACT TGLs = 1-21

Note: DEGEN TGLs = 1-21

Kidney

Nephropathy

Chronic, Mild

Liver

Bile Duct

Hyperplasia

Mild

Inflammation

Granulomatous, Multiple, Minimal

Vacuolization Cytoplasmic

Minimal

Accessory Spleen

Mild

Mesentery

Note: ACCESSORY SPLN TGLs = 2-22

Testes

Interstit Cell

Adenoma

Bilateral, Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 174	TRT#: 10	SEX: Male	DAY ON TEST: 458
	DOSE: 0.0666% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Preputial Gland	Urinary Bladder
------------	-----------------	-----------------

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Mesentery	Fat	Hemorrhage	Focal, Moderate
Note: HEMORRHAGE	TGLs = 1-21		
Spleen	Capsule	Hypertrophy	Minimal
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 175	TRT#: 10	SEX: Male	DAY ON TEST: 456
	DOSE: 0.0666% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Preputial Gland	Spleen	Urinary Bladder
------------	-----------------	--------	-----------------

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Testes	Interstitial Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 176	TRT#: 10	SEX: Male	DAY ON TEST: 456
	DOSE: 0.0666% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Preputial Gland	Urinary Bladder
------------	-----------------	-----------------

OBSERVATIONS

Kidney		Nephropathy	Chronic, Moderate
Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Minimal
Note: CONGESTION	TGLs = 2-6		
Note: HYPERTROPHY	TGLs = 2-6		
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 177	TRT#: 10	SEX: Male	DAY ON TEST: 458
	DOSE: 0.0666% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Spleen	Urinary Bladder
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Preputial Gland		Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 178	TRT#: 10	SEX: Male	DAY ON TEST: 458
	DOSE: 0.0666% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Preputial Gland	Urinary Bladder
------------	-----------------	-----------------

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY	TGLs = 3-7		
Spleen	Capsule	Hypertrophy	Minimal
Testes	Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 179

TRT#: 10

SEX: Male

DAY ON TEST: 457

DOSE: 0.0666% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Preputial Gland

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Liver

Hepatodiaphragmatic Nodule

Moderate

Inflammation

Granulomatous, Multiple, Minimal

Note: HDN TGLs = 1-21

Spleen

Capsule

Hypertrophy

Mild

Testes

Bilateral, Interstit Cell

Adenoma

Bilateral, Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 2-7

Note: HYPERPLASIA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 10

SEX: Male

DAY ON TEST: 457

DOSE: 0.0666% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Pancreas

Urinary Bladder

MISSING

Preputial Gland

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Liver

Bile Duct

Hyperplasia

Minimal

Vacuolization Cytoplasmic

Minimal

Lymph Node

Pancreatic

Hyperplasia

Lymphoid, Mild

Note: HYPERPLASIA TGLs = 1-21

Pancreas

Note: #21 PANCREAS IS PANCREATIC LYMPH NODE.

Spleen

Capsule

Hypertrophy

Mild

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Mild

Bilateral, Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 3-7

Note: ATROPHY TGLs = 2-7

Note: HYPERPLASIA TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 13

SEX: Male

DAY ON TEST: 423

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86037038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Parathyroid Gland
Thyroid Gland

Bone
Intestine Large - Colon
Salivary Glands
Trachea

Brain
Islets, Pancreatic
Skin

Epididymis
Mammary Gland
Testes

OBSERVATIONS

Adrenal Gland
Bone Marrow
Heart
Intestine Large

Intestine Small

Cortex

Cecum
Rectum
Duodenum
Ileum
Jejunum

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 11-4-1
Note: LEUKEMIA MONUC TGLs = 11-4-1
Note: LEUKEMIA MONUC TGLs = 11-4-1

Kidney

Leukemia Mononuclear
Nephropathy
Pigmentation

Chronic, Minimal
Minimal

Note: LEUKEMIA MONUC TGLs = 7-5

Renal Tubule

Liver

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 10-6

Lung

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 15-2

Lymph Node

Iliac
Mandibular
Mesenteric
Pancreatic
Renal

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-21

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 13

SEX: Male

DAY ON TEST: 423

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86037038

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 1-8
Note: LEUKEMIA MONUC TGLs = 13-25
Note: LEUKEMIA MONUC TGLs = 12-24
Note: LEUKEMIA MONUC TGLs = 8-23

Mesentery

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-22

Nose

Lumen

Fungus

Marked

Lumen

Inflammation

Suppurative, Marked

Submucosa

Pigmentation

Minimal

Pancreas

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Mild

Preputial Gland

Atrophy

Mild

Note: ATROPHY TGLs = 16-8

Prostate

Leukemia Mononuclear

Seminal Vesicle

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-7

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-6

Stomach

Forestomach

Leukemia Mononuclear

Glandular

Leukemia Mononuclear

Thymus

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 14-3

Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 182

TRT#: 13

SEX: Male

DAY ON TEST: 559

DOSE: 0.0222%

DISP: Natural Death

HISTO: A86040695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Mammary Gland
Preputial Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Nose
Prostate
Stomach - Glandular

Bone
Lung
Pancreas
Seminal Vesicle
Thymus

Bone Marrow
Lymph Node - Mandibular
Pituitary Gland
Skin
Trachea

MISSING

Esophagus

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Ileum

Intestine Large - Colon
Intestine Small - Jejunum

Intestine Large - Rectum
Spleen

Intestine Small - Duodenum

OBSERVATIONS

Heart
Islets, Pancreatic
Kidney
Liver
Lymph Node
Salivary Glands
Testes
Note: ADENOMA TGLs = 1-7
Thyroid Gland
[Carcinoma TGLS = 2-3-1]

Bile Duct
Mesenteric
Interstit Cell
Follicular Cel

Inflammation
Hyperplasia
Nephropathy
Hyperplasia
Hyperplasia
Infiltration Cellular
Adenoma
Carcinoma

Chronic, Mild
Mild
Chronic, Mild
Mild
Lymphoid, Moderate
Lipocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 13

SEX: Male

DAY ON TEST: 551

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Pancreas
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Parathyroid Gland
Seminal Vesicle
Thymus

Bone
Intestine Large - Cecum
Intestine Small - Jejunum
Pituitary Gland
Skin
Thyroid Gland

Brain
Intestine Large - Colon
Islets, Pancreatic
Prostate
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal GI
Note: PROCESSING ARTIFACT

Bone Marrow
Heart

Intestine Small
Kidney

Liver

Note: LEUKEMIA MONUC TGLs = 4-6-1

Lung
Lymph Node

Note: LEUKEMIA MONUC TGLs = 6-3

Note: ANGIECTASIS TGLs = 2-21

Mammary Gland

Nose

Pancreas

Note: TGL 2-21 IS PANCREATIC L.N.

Ileum, Lymphoid Tiss

Renal Tubule
Bile Duct

Pancreatic
Mandibular
Mediastinal
Mesenteric

Submucosa

Leukemia Mononuclear
Inflammation
Leukemia Mononuclear
Leukemia Mononuclear
Nephropathy
Pigmentation
Hyperplasia
Leukemia Mononuclear

Leukemia Mononuclear
Angiectasis
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Hyperplasia
Pigmentation

Chronic, Mild

Chronic, Minimal
Mild
Mild

Moderate

Lobular, Mild
Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 13

SEX: Male

DAY ON TEST: 551

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040696

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland

Cyst

Mild

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-6

Testes

Interstit Cell

Adenoma

Bilateral, Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 1-7

Note: HYPERPLASIA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 13

SEX: Male

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Pituitary Gland

Seminal Vesicle

Spleen

Stomach - Forestomach

Thymus

Trachea

Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland

Cortex

Vacuolization Cytoplasmic

Focal, Minimal

Bone

Fibrous Osteodystrophy

Mild

Heart

Inflammation

Chronic, Moderate

Kidney

Cyst

Multiple, Mild

Renal Tubule

Hyperplasia

Mild

Transit Epithe

Hyperplasia

Minimal

Nephropathy

Chronic, Marked

Renal Tubule

Pigmentation

Minimal

Note: NEPHROPATHY TGLs = 4-5,5-5

Liver

Basophilic Focus

Multiple, Mild

Degeneration

Cystic, Mild

Eosinophilic Focus

Mild

Bile Duct

Hyperplasia

Mild

Mammary Gland

Duct

Cyst

Mild

Nose

Submucosa

Pigmentation

Mild

Pancreas

Acinar Cell

Basophilic Focus

Mild

Acinar Cell

Hyperplasia

Moderate

Preputial Gland

Atrophy

Moderate

Prostate

Cyst

Moderate

Inflammation

Suppurative, Mild

Salivary Glands

Infiltration Cellular

Lipocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 13

SEX: Male

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040687

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Hyperkeratosis	Mild
Note: TGL 1-21 IS SKIN OF TAIL.			
Note: HYPERKERATOSIS TGLs = 1-21			
Stomach	Glandular	Mineralization	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-7-1			
Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 185

TRT#: 13

SEX: Male

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas
Parathyroid Gland	Prostate	Seminal Vesicle	Stomach - Glandular
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Medulla	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 9-5			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-6			
Lung		Alveolar/Bronchiolar Carcinoma	
		Leukemia Mononuclear	
Note: ALV BRON CARC TGLs = 10-2-1			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-8-1			
Mammary Gland	Duct	Cyst	Marked
Note: CYST TGLs = 11-8-2			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 185

TRT#: 13

SEX: Male

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040688

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
Preputial Gland		Carcinoma	
		Cyst	Mild
		Hyperplasia	Focal, Moderate
Note: CARCINOMA TGLs = 2-22			
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Skin	Sebaceous GI	Carcinoma	
Note: CARCINOMA TGLs = 1-21			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-6-1			
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Minimal
Note: ADENOMA TGLs = 5-7-1			
Note: ATROPHY TGLs = 6-7-1			
Thymus		Leukemia Mononuclear	
Tissue NOS			
Note: TGL 1-21 IS SKIN.			
Note: TGL 11-8-2 IS MAMMARY GLAND.			
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 186

TRT#: 13

SEX: Male

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040689

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	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Parathyroid Gland	Preputial Gland	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-1-1]		
Prostate		Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Spleen		Congestion	Moderate
	Note: [CONGESTION] TGLs = 2-6-1		
Testes	Bilateral, Interstit Cell	Adenoma	
	Note: [ADENOMA] TGLs = 1-7-1		
Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 13

SEX: Male

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040697

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
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Inflammation	Chronic, Moderate
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy	Chronic, Moderate
Liver		Pigmentation	Minimal
		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
Note: HDN TGLs = 5-21			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 4-5			
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Preputial Gland		Atrophy	Mild
		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY TGLs = 2-7-1			
Spleen		Congestion	Moderate
Note: CONGESTION TGLs = 3-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 13

SEX: Male

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040697

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus

Note: THYMUS IS ON SLIDE 2

Thyroid Gland

Bilateral, C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 13

SEX: Male

DAY ON TEST: 647

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040698

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	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
Lymph Node	Pancreatic	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 3-22			
Mammary Gland		Hyperplasia	Lobular, Minimal
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 2-21			
Nose	Submucosa	Pigmentation	Mild
Pancreas			
Note: TGL 3-22 IS PANCREATIC L.N.			
Preputial Gland		Cyst	Moderate
Salivary Glands		Infiltration Cellular	Lipocyte, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral, Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 1-7			
Note: ADENOMA TGLs = 1-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 13

SEX: Male

DAY ON TEST: 647

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040698

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 13

SEX: Male

DAY ON TEST: 589

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Seminal Vesicle
Thymus

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Skin
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Stomach - Forestomach
Trachea

OBSERVATIONS

Bone Marrow
Heart
Kidney

Myelofibrosis
Inflammation
Cyst
Nephropathy
Pigmentation
Degeneration
Hyperplasia
Leukemia Mononuclear

Moderate
Chronic, Mild
Mild
Chronic, Minimal
Minimal
Mild
Mild

Liver

Renal Tubule
Centrilobular
Bile Duct

Inflammation
Cyst
Hyperplasia
Necrosis

Suppurative, Mild
Mild
Lobular, Minimal
Focal, Mild

Note: EARLY LEUKEMIA

Lung
Mammary Gland

Duct

Mesentery

Fat

Note: NECROSIS TGLs = 1-21

Nose
Pituitary Gland
Preputial Gland
Prostate
Salivary Glands
Spleen

Submucosa
Pars Distalis

Pigmentation
Hyperplasia
Cyst
Inflammation
Infiltration Cellular
Leukemia Mononuclear

Mild
Focal, Mild
Moderate
Suppurative, Mild
Lipocyte, Mild

Note: EARLY LEUKEMIA

Testes

Bilateral, Interstit Cell

Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 13

SEX: Male

DAY ON TEST: 589

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040699

ORGAN AND ACCOUNTABLE SITE STATUS

Bilateral, Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 2-7

Note: HYPERPLASIA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 13

SEX: Male

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040690

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 - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Intestine Small	Duodenum	Ectopic Tissue	
Note: DUODENUM-ECTOPIC TISSUE IS PAMCREAS.			
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Cyst	Multiple, Mild
Nose	Lumen	Inflammation	Suppurative, Moderate
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Preputial Gland		Atrophy	Moderate
		Cyst	Moderate
Salivary Glands		Fibrosis	Focal, Mild
		Infiltration Cellular	Lipocyte, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 190

TRT#: 13
DOSE: 0.0222%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: A86040690

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Adenoma Atrophy	Moderate
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Note: ADENOMA TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 13

SEX: Male

DAY ON TEST: 655

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Stomach - Glandular
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
		Thrombosis	Multiple, Moderate
Note: LEUKEMIA MONUC TGLs = 6-6-1			
Note: HYPERPLASIA TGLs = 6-6-1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3-1,7-3			
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Moderate
		Edema	Mild
	Acinar Cell	Hyperplasia	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 13

SEX: Male

DAY ON TEST: 655

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040700

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC	TGLs = 5-21		
Preputial Gland		Cyst	Mild
Note: CYST	TGLs = 8-8-2		
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6		
Note: FIBROSIS	TGLs = 4-6		
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Mild
Note: ADENOMA	TGLs = 1-7		
Note: ATROPHY	TGLs = 2-7		
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Carcinoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 13

SEX: Male

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040701

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 - Jejunum	Lung	Lymph Node - Mesenteric
Parathyroid Gland	Seminal Vesicle	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Eye		Cataract	Mild
	Retina	Degeneration	Moderate
Note: CATARACT	TGLs = 1-21		
Heart		Inflammation	Chronic, Mild
Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Islets, Pancreatic		Adenoma	Multiple
Note: ADENOMA	TGLs = 5-22		
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: EARLY LEUKEMIA			
Lymph Node	Mandibular	Cyst	Multiple, Mild
	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 2-8-1		
Note: CYST	TGLs = 2-8-1		
Mammary Gland		Hyperplasia	Lobular, Minimal
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 13

SEX: Male

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040701

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Atrophy	Mild
		Cyst	Multiple, Mild
		Inflammation	Suppurative, Mild
Prostate		Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Mild
Spleen		Leukemia Mononuclear	
Note: EARLY LEUKEMIA			
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes		Atrophy	Moderate
Note: ATROPHY TGLs = 3-7			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 13

SEX: Male

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Adenoma	
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Cyst	Mild
Note: CYST	TGLs = 1-21		
Spleen		Congestion	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 13

SEX: Male

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040703

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 - Mesenteric
Parathyroid Gland	Prostate	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone	Femur	Chondroma	
Note: CHONDROMA	TGLs = 2-22		
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Granulomatous, Focal, Mild
Lymph Node	Mandibular	Angiectasis	Moderate
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
Pancreas	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Atrophy	Mild
		Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-21,1-21-1		
Spleen		Congestion	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 13

SEX: Male

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040703

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 3-7

Tissue NOS

Note: TGL 1-21 IS SKIN/SUBCUTIS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 13

SEX: Male

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Seminal Vesicle	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
	Cortex	Hyperplasia	Focal, Mild
	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Inflammation	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 3-5-1			
Liver		Basophilic Focus	Multiple, Minimal
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple, Moderate
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
Note: HDN TGLs = 4-21			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Preputial Gland		Atrophy	Multiple, Mild
		Cyst	Multiple, Moderate
Prostate		Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Mild
Spleen		Congestion	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 13

SEX: Male

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040704

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 13

SEX: Male

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Lung
Pituitary Gland
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Skin
Thyroid Gland

OBSERVATIONS

Heart
Kidney

Inflammation
Nephropathy
Pigmentation
Basophilic Focus
Hyperplasia
Leukemia Mononuclear

Chronic, Mild
Chronic, Mild
Minimal
Multiple, Mild
Mild

Liver

Renal Tubule
Bile Duct

Cyst
Hyperplasia
Pigmentation
Atrophy
Atrophy
Inflammation
Infiltration Cellular
Atrophy

Moderate
Lobular, Minimal
Mild
Mild
Mild
Chronic, Mild
Lipocyte, Minimal
Mild

Note: BASOPH FOCUS TGLs = 3-6

Mammary Gland

Duct

Nose

Submucosa

Pancreas

Acinar Cell

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Note: ATROPHY TGLs = 2-7

Spleen

Note: LEUKEMIA MONUC TGLs = 4-6-1

Testes

Bilateral, Interstit Cell

Note: ADENOMA TGLs = 1-7-1

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 197

TRT#: 13

SEX: Male

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040705

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	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Preputial Gland		Atrophy	Moderate
Seminal Vesicle		Atrophy	Mild
Note: [ATROPHY] TGLs = 3-7			
Skin	Subcut Tiss	Fibroma	
Note: [FIBROMA] TGLs = 1-21			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: [HEMA CELL PROL] TGLs = 4-6			
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: [HYPERPLASIA] TGLs = 2-7-1			
Tissue NOS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 197

TRT#: 13

SEX: Male

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040705

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 1-21 IS SKIN/SUBCUTIS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 198

TRT#: 13

SEX: Male

DAY ON TEST: 719

DOSE: 0.0222%

DISP: Natural Death

HISTO: A86040706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Lung
Salivary Glands
Stomach - Glandular

Adrenal Gland - Medulla
Epididymis
Mammary Gland
Seminal Vesicle
Thyroid Gland

Bone
Esophagus
Parathyroid Gland
Skin
Trachea

Bone Marrow
Intestine Large - Rectum
Pituitary Gland
Spleen
Urinary Bladder

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Jejunum

Intestine Large - Colon
Islets, Pancreatic

Intestine Small - Duodenum
Pancreas

Intestine Small - Ileum

OBSERVATIONS

Heart
Note: CONGESTION TGLs = 6-5-1
Kidney
Liver
Lymph Node
Nose
Note: SQUAM CELL CARC-SLIDE 9-1
Preputial Gland
Prostate
Stomach
Testes
Note: ATROPHY TGLs = 2-7-1
Note: ADENOMA TGLs = 1-7-1

Atrium
Bile Duct
Mandibular
Lumen
Lumen
Respirat Epith
Epithelium, Forestomach
Bilateral, Interstit Cell

Congestion
Inflammation
Nephropathy
Eosinophilic Focus
Hyperplasia
Cyst
Fungus
Inflammation
Squamous Cell Carcinoma
Atrophy
Inflammation
Hyperplasia
Adenoma
Atrophy

Moderate
Chronic, Mild
Chronic, Moderate
Multiple, Mild
Minimal
Multiple, Moderate
Marked
Suppurative, Moderate
Multiple, Mild
Suppurative, Mild
Minimal
Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 198

TRT#: 13

SEX: Male

DAY ON TEST: 719

DOSE: 0.0222%

DISP: Natural Death

HISTO: A86040706

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 13

SEX: Male

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040707

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 Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland	Pituitary Gland	Preputial Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Multiple, Minimal
Mesentery	Fat	Inflammation	Granulomatous, Focal, Mild
	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 1-21			
Note: INFLAMMATION TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY TGLs = 3-7			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 200

TRT#: 13

SEX: Male

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pituitary Gland	Prostate	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY	TGLs = 2-5		
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Granulomatous, Focal, Mild
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Moderate
Preputial Gland		Atrophy	Moderate
Salivary Glands		Infiltration Cellular	Lipocyte, Mild
Seminal Vesicle		Atrophy	Mild
Spleen		Congestion	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7-1		
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 201

TRT#: 13

SEX: Male

DAY ON TEST: 647

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland
Pituitary Gland	Prostate	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-6		
Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-7-2		
Mammary Gland		Hyperplasia	Lobular, Minimal
Mesentery	Fat	Inflammation	Granulomatous, Focal, Moderate
	Fat	Necrosis	Focal, Moderate
Note: INFLAMMATION	TGLs = 2-21,4-22		
Note: NECROSIS	TGLs = 2-21,4-22		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Preputial Gland		Cyst	Mild
		Hyperplasia	Focal, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 3-7		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 201

TRT#: 13

SEX: Male

DAY ON TEST: 647

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040709

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 202

TRT#: 13

SEX: Male

DAY ON TEST: 638

DOSE: 0.0222%

DISP: Natural Death

HISTO: A86040710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Prostate
Seminal Vesicle	Spleen	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone	Tibia	Chondroma	
Note: CHONDROMA TGLs = 5-22			
Brain		Compression	Moderate
[Compression TGLS = 8-1]			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 3-5			
Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
Lymph Node	Mesenteric	Hemorrhage	Moderate
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pharynx	Palate	Squamous Cell Papilloma	
Note: PAPILOMA SQUA TGLs = 6-9-1			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1-1]			
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 2-21			
Stomach	Forestomach	Edema	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 202

TRT#: 13
DOSE: 0.0222%

SEX: Male
DISP: Natural Death

DAY ON TEST: 638
HISTO: A86040710

ORGAN AND ACCOUNTABLE SITE STATUS

Epithelium, Forestomach
Forestomach
Forestomach

Hyperplasia
Perforation
Ulcer

Moderate
Marked
Mild

Note: PERFORATION TGLs = 4-4-1
Tissue NOS
Note: TGL 2-21 IS SKIN-NECK

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 13

SEX: Male

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Preputial Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Seminal Vesicle
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Parathyroid Gland
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Hemorrhage	Marked
	Bile Duct	Hepatocellular Carcinoma	
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Marked
Note: HEMORRHAGE	TGLs = 6-21		
Note: NECROSIS	TGLs = 6-21		
Note: LEUKEMIA MONUC	TGLs = 5-6		
Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-2]		
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-3-1		
Note: LEUKEMIA MONUC	TGLs = 2-7-2		
Mammary Gland		Hyperplasia	Lobular, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 13

SEX: Male

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040711

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Basophilic Focus	Mild
	Acinar Cell	Hyperplasia	Focal, Moderate
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 204

TRT#: 13

SEX: Male

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040712

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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Preputial Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Accessory Adrenal Cortical Nodule Hyperplasia Inflammation Adenoma	Mild Focal, Moderate Chronic, Mild
Heart			
Islets, Pancreatic			
Note: ADENOMA	TGLs = 5-22		
Kidney	Renal Tubule	Nephropathy Pigmentation Basophilic Focus Clear Cell Focus Hepatocellular Adenoma	Chronic, Mild Minimal Multiple, Mild Mild
Liver	Bile Duct	Hyperplasia Inflammation	Mild Granulomatous, Multiple, Mild
Note: HEPATOCLR ADEN	TGLs = 6-23		
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 3-21		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Prostate		Inflammation	Chronic, Moderate
Salivary Glands		Infiltration Cellular	Lipocyte, Mild
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 4-7		
Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 204

TRT#: 13
DOSE: 0.0222%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: A86040712

ORGAN AND ACCOUNTABLE SITE STATUS

Atrophy

Marked

Note: ADENOMA TGLs = 1-7-1
Note: ATROPHY TGLs = 2-7-1

Thyroid Gland C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 13

SEX: Male

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Pituitary Gland	Preputial Gland	Prostate
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Mediastinal	Angiectasis	Mild
	Mesenteric	Angiectasis	Moderate
Mammary Gland		Hyperplasia	Lobular, Minimal
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 2-21			
Nose	Submucosa	Pigmentation	Mild
Salivary Glands		Cytomegaly	Moderate
		Infiltration Cellular	Lipocyte, Minimal
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 13

SEX: Male

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040713

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 206

TRT#: 13

SEX: Male

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
	Atrium	Thrombosis	Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Cyst	Multiple, Mild
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Atrophy	Moderate
		Carcinoma	
Note: CARCINOMA	TGLs = 1-21		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 206

TRT#: 13
DOSE: 0.0222%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: A86040692

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma
Note: ADENOMA TGLs = 2-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 207

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-21	Medulla	Pheochromocytoma Benign	
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Lobular, Minimal
Nose	Lumen	Inflammation	Suppurative, Moderate
	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Seminal Vesicle		Atrophy	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 207

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040714

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 1-7-1		
Note: ADENOMA	TGLs = 1-7-1		
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040715

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
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Prostate	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-23]			
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
	Bile Duct	Hyperplasia	Mild
Mammary Gland	Duct	Cyst	Moderate
	Duct	Hemorrhage	Moderate
Note: CYST	TGLs = 2-22		
Note: HEMORRHAGE	TGLs = 2-22		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Cyst	Moderate
		Inflammation	Suppurative, Mild
Salivary Glands		Cytomegaly	Moderate
		Infiltration Cellular	Lipocyte, Minimal
Skin		Keratoacanthoma	
Note: KERATOACANTHOMA	TGLs = 1-21		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 3-7-1		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040715

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS

Note: TGL 2-22 IS MAMMARY GL.

Note: TGL 1-21 IS SKIN.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040716

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
Islets, Pancreatic	Lung	Pancreas	Parathyroid Gland
Seminal Vesicle	Skin	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Mild
		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Minimal
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 4-21			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Atrophy	Mild
		Cyst	Mild
Prostate		Inflammation	Suppurative, Moderate
Salivary Glands		Cytomegaly	Mild
		Infiltration Cellular	Lipocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 209	TRT#: 13 DOSE: 0.0222%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO: A86040716
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen Note: LEUKEMIA MONUC TGLs = 2-6		Leukemia Mononuclear	
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes Note: ADENOMA TGLs = 1-7-1	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040717

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
Islets, Pancreatic	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Salivary Glands	Acinar Cell	Atrophy	Mild
		Infiltration Cellular	Lipocyte, Mild
Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-6			
Note: [FIBROSIS] TGLs = 3-21			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040717

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOMA] TGLs = 1-7-1

Thyroid Gland

Follicle

Cyst

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 13

SEX: Male

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland
Parathyroid Gland	Pituitary Gland	Preputial Gland	Seminal Vesicle
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Islets, Pancreatic		Adenoma	
Kidney	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Mineralization	Mild
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: [NEPHROPATHY] TGLs = 5-5			
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-8-1			
Mesentery	Fat	Inflammation	Granulomatous, Focal, Moderate
	Fat	Necrosis	Focal, Marked
Note: [NECROSIS] TGLs = 3-21			
Note: [INFLAMMATION] TGLs = 3-21			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Marked
Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 13

SEX: Male

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040718

ORGAN AND ACCOUNTABLE SITE STATUS

Salivary Glands		Inflammation	Chronic, Moderate
Skin		Infiltration Cellular	Lipocyte, Minimal
Spleen		Squamous Cell Papilloma	
Note: [LEUKEMIA MONUC] TGLs = 4-6		Leukemia Mononuclear	
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7-1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 212

TRT#: 13

SEX: Male

DAY ON TEST: 642

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Seminal Vesicle
Urinary Bladder

Blood
Esophagus
Intestine Small - Duodenum
Mammary Gland
Skin

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Parathyroid Gland
Stomach - Glandular

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Pituitary Gland
Trachea

OBSERVATIONS

Adrenal Gland
Bone Marrow
Heart
Kidney

Cortex

Vacuolization Cytoplasmic
Leukemia Mononuclear
Inflammation
Leukemia Mononuclear
Nephropathy
Pigmentation
Hyperplasia
Leukemia Mononuclear

Focal, Mild

Chronic, Mild

Liver

Renal Tubule
Bile Duct

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Chronic, Mild
Minimal
Mild

Note: [LEUKEMIA MONUC] TGLs = 6-6

Lung
Lymph Node

Mandibular
Mediastinal
Mesenteric
Pancreatic

Pigmentation
Leukemia Mononuclear

Mild

Note: [LEUKEMIA MONUC] TGLs = 5-22

Note: [LEUKEMIA MONUC] TGLs = 9-3-1

Note: [LEUKEMIA MONUC] TGLs = 10-5-1

Nose
Pancreas
Preputial Gland

Submucosa

Atrophy
Cyst

Mild
Mild

Note: [CYST] TGLs = 1-21

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 212

TRT#: 13

SEX: Male

DAY ON TEST: 642

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040719

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC]	TGLs = 4-6-1		
Stomach	Forestomach	Edema	Moderate
	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic, Moderate
	Forestomach	Ulcer	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Moderate
	Bilateral, Interstit Cell	Hyperplasia	Mild
Note: [HYPERPLASIA]	TGLs = 3-7-1		
Note: [ADENOMA]	TGLs = 3-7-1		
Note: [ATROPHY]	TGLs = 2-7-1		
Thymus		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC]	TGLs = 7-3-1		
Thyroid Gland		Ultimobranchial Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 213

TRT#: 13

SEX: Male

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040720

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
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland
Preputial Gland	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Multiple, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA			
TGLs = 2-3-1			
Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Minimal
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
Prostate		Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA			
TGLs = 1-7-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 213

TRT#: 13

SEX: Male

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040720

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 13

SEX: Male

DAY ON TEST: 687

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Prostate	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
	Cortex	Vacuolization Cytoplasmic	Focal, Multiple, Minimal
Bone Marrow		Leukemia Mononuclear	
Heart	Atrium	Inflammation	Chronic, Mild
Note: [THROMBUS] TGLs = 7-5-2		Thrombosis	Marked
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-3-1			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Multiple, Moderate
Preputial Gland		Cyst	Multiple, Moderate
		Hyperplasia	Focal, Moderate
Salivary Glands		Cytomegaly	Mild
		Infiltration Cellular	Lipocyte, Minimal
Spleen		Fibrosis	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 13

SEX: Male

DAY ON TEST: 687

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040721

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

Note: [FIBROSIS] TGLs = 5-21

Note: [LEUKEMIA MONUC] TGLs = 4-6

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Mild

Interstit Cell

Hyperplasia

Mild

Note: [ATROPHY] TGLs = 3-7-1

Note: [ADENOMA] TGLs = 3-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 215

TRT#: 13

SEX: Male

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040722

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	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Parathyroid Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Glandular	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Mild
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Moderate
	Mandibular	Hyperplasia	Lymphoid, Mild
Note: ANGIECTASIS TGLs = 4-3-1			
Mammary Gland		Hyperplasia	Lobular, Minimal
Mesentery	Fat	Inflammation	Granulomatous, Focal, Moderate
	Fat	Necrosis	Focal, Moderate
Note: INFLAMMATION TGLs = 3-21			
Note: NECROSIS TGLs = 3-21			
Nose	Lumen	Foreign Body	Mild
	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 215	TRT#: 13	SEX: Male	DAY ON TEST: 731
	DOSE: 0.0222%	DISP: Terminal Sacrifice	HISTO: A86040722

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Atrophy	Moderate
Seminal Vesicle		Atrophy	Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Moderate
Note: ATROPHY	TGLs = 2-7-1		
Note: ADENOMA	TGLs = 1-7-1		
Thymus		Thymoma Benign	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 216

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040723

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
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Multiple, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Lung		Infiltration Cellular	Histiocyte, Multiple, Mild
Lymph Node	Mediastinal	Angiectasis	Moderate
	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: ANGIECTASIS TGLs = 3-3-1			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Mild
Preputial Gland		Carcinoma	
		Cyst	Marked
Note: CYST TGLs = 1-8-2			
Note: CARCINOMA TGLs = 1-8-2			
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 216

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040723

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 2-7-1

Note: ADENOMA TGLs = 2-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 217

TRT#: 13

SEX: Male

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Parathyroid Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL TGLs = 6-21			
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Moderate
Kidney	Renal Tubule	Hyperplasia	Minimal
	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Leukemia Mononuclear	
Lung			
Note: LEUKEMIA MONUC TGLs = 7-2			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-3-1			
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 217	TRT#: 13	SEX: Male	DAY ON TEST: 729
	DOSE: 0.0222%	DISP: Terminal Sacrifice	HISTO: A86040693

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-1-1]

Preputial Gland		Atrophy	Multiple, Moderate
Prostate		Inflammation	Suppurative, Mild
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 4-7		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-6-1		
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Atrophy	Mild
		Hyperplasia	Mild
Note: ATROPHY	TGLs = 3-7-1		
Note: ADENOMA	TGLs = 2-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Clear Cell Focus	Multiple, Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-8-1		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 219

TRT#: 13

SEX: Male

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040694

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	Lung
Parathyroid Gland	Preputial Gland	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Medulla	Hyperplasia	Focal, Mild
Brain		Compression	Mild
[Compression TGLS = 7-1]			
Heart		Inflammation	Chronic, Moderate
Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Lobular, Moderate
Note: FIBROADENOMA TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Adenoma	
	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1-1]			
Prostate		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 219

TRT#: 13

SEX: Male

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040694

ORGAN AND ACCOUNTABLE SITE STATUS

Salivary Glands

Infiltration Cellular

Lipocyte, Minimal

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Mild

Note: ADENOMA TGLs = 2-7-1

Note: ATROPHY TGLs = 3-7-1

Zymbal's Gland

Carcinoma

Note: CARCINOMA TGLs = 5-22

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 220

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Parathyroid Gland	Preputial Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC			
TGLs = 3-6-1			
Note: EOSIN FOCUS			
TGLs = 4-21			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Adenoma	
	Acinar Cell	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 220

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040725

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-6

Testes

Interstit Cell

Adenoma

Bilateral, Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 1-7

Note: HYPERPLASIA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 13

SEX: Male

DAY ON TEST: 511

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Preputial Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Seminal Vesicle
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Lung
Parathyroid Gland
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Heart
Kidney

Liver
Mammary Gland
Nose

Prostate
Salivary Glands
Spinal Cord
Note: NORMAL

Renal Tubule
Bile Duct

Lumen
Submucosa

Inflammation
Nephropathy
Pigmentation
Hyperplasia
Hyperplasia
Foreign Body
Pigmentation
Inflammation
Infiltration Cellular

Chronic, Mild
Chronic, Minimal
Minimal
Mild
Lobular, Mild
Mild
Mild
Suppurative, Minimal
Lipocyte, Minimal

Spleen
Note: CONGESTION TGLs = 2-6

Congestion

Moderate

Testes
Note: ADENOMA TGLs = 1-7
Interstit Cell
Interstit Cell

Adenoma
Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 222

TRT#: 13

SEX: Male

DAY ON TEST: 681

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Seminal Vesicle
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Spleen
Trachea

Bone
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Prostate
Thymus

OBSERVATIONS

Heart
Kidney

Renal Tubule

Renal Tubule

Inflammation
Mineralization
Nephropathy
Pigmentation

Chronic, Mild
Moderate
Chronic, Moderate
Mild

Note: MINERALIZATION TGLs = 4-5-1
Note: PIGMENT TGLs = 4-5-1
Note: NEPHROPATHY TGLs = 4-5-1

Liver

Eosinophilic Focus
Vacuolization Cytoplasmic
Alveolar/Bronchiolar Adenoma
Angiectasis

Mild
Minimal
Moderate

Lung

Lymph Node

Mediastinal

Note: ANGIECTASIS TGLs = 6-3
Note: TGL 7-23 IS MAMMARY GL.

Mammary Gland

Duct
Duct

Cyst
Hemorrhage

Mild
Marked

Note: HEMORRHAGE TGLs = 7-23

Nose

Preputial Gland

Salivary Glands

Submucosa

Subcut Tiss
Subcut Tiss

Pigmentation
Cyst
Cytomegaly
Infiltration Cellular
Fibrosarcoma
Schwannoma Malignant

Mild
Multiple, Moderate
Mild
Lipocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 222

TRT#: 13

SEX: Male

DAY ON TEST: 681

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040727

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROSARC TGLs = 2-22,2-22-1

Note: SCHWANNOMA MAL TGLs = 1-21

Stomach

Epithelium, Forestomach

Hyperplasia

Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 3-7

Tissue NOS

Note: TGL 1-21 IS SKIN-SCROTUM

Note: TGL 2-22 & 2-22-1 IS SKIN/SUBCUTIS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040728

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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Mesentery
Parathyroid Gland	Pituitary Gland	Prostate	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Moderate
Heart		Inflammation	Chronic, Mild
Islets, Pancreatic		Adenoma	
Kidney	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 6-5-1			
Liver		Basophilic Focus	Multiple, Minimal
		Hepatodiaphragmatic Nodule	Mild
		Mixed Cell Focus	Multiple, Minimal
Note: HDN TGLs = 7-23			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Adenoma	
	Acinar Cell	Atrophy	Mild
Note: ADENOMA TGLs = 5-22			
Preputial Gland		Cyst	Moderate
		Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lipocyte, Mild
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY TGLs = 3-7-1			
Spleen		Fibrosis	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040728

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROSIS TGLs = 4-21
Testes

Bilateral, Interstit Cell

Adenoma
Atrophy

Moderate

Note: ADENOMA TGLs = 2-7
Note: ATROPHY TGLs = 1-7

Thyroid Gland Follicle

Cyst

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Seminal Vesicle
Trachea

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Stomach - Forestomach
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Lymph Node - Mesenteric
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Parathyroid Gland
Thymus

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: EARLY LEUKEMIA			
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mandibular	Cyst	Multiple, Moderate
Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Mild
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Carcinoma	
		Cyst	Moderate
Note: CARCINOMA TGLs = 2-8			
Note: CYST TGLs = 2-8			
Prostate		Inflammation	Suppurative, Mild
Salivary Glands		Cytomegaly	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 224

TRT#: 13
DOSE: 0.0222%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO: A86040729

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Infiltration Cellular	Lipocyte, Mild
Note: BASOSQU TM BGN	TGLs = 1-21	Basosquamous Tumor Benign	
Spleen		Leukemia Mononuclear	
Note: EARLY LEUKEMIA			
Note: LEUKEMIA MONUC	TGLs = 4-6		
Testes		Bilateral, Interstit Cell	Adenoma
Note: ADENOMA	TGLs = 3-7		
Thyroid Gland		C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 225

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Preputial Gland	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Cortex	Hyperplasia	Focal, Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Mild
Note: PIGMENT TGLs = 2-5-1			
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Prostate	Epithelium	Hyperplasia	Moderate
		Sarcoma	
Salivary Glands		Cytomegaly	Mild
		Infiltration Cellular	Lipocyte, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 225

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040730

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040731

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 - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Pancreas	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Mild
Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY	TGLs = 3-5-1		
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
Lung		Erythrophagocytosis	Mild
		Hemorrhage	Focal, Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Nose	Submucosa	Pigmentation	Mild
Parathyroid Gland		Hyperplasia	Mild
Preputial Gland		Inflammation	Suppurative, Moderate
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Spleen		Fibrosis	Focal, Moderate
Note: FIBROSIS	TGLs = 2-21		
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 227

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Pituitary Gland
Trachea

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Skin
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Lung
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Parathyroid Gland
Thyroid Gland

MISSING

Thymus

OBSERVATIONS

Heart
Kidney

Inflammation
Cyst
Nephropathy
Pigmentation

Chronic, Mild
Marked
Chronic, Moderate
Minimal

Renal Tubule

Note: CYST TGLs = 4-21

Liver

Basophilic Focus
Eosinophilic Focus
Hyperplasia
Leukemia Mononuclear

Multiple, Mild
Mild
Mild

Bile Duct

Note: EARLY LEUKEMIA.

Note: LEUKEMIA MONUC TGLs = 5-6

Lymph Node

Mesenteric
Mandibular
Mediastinal
Pancreatic

Angiectasis
Hyperplasia
Hyperplasia
Hyperplasia

Mild
Lymphoid, Mild
Lymphoid, Moderate
Lymphoid, Moderate

Note: HYPERPLASIA TGLs = 7-3-1

Note: ANGIECTASIS TGLs = 6-5

Mammary Gland

Duct

Cyst

Mild

Nose

Submucosa

Pigmentation

Mild

Pancreas

Acinar Cell

Atrophy

Mild

Polyarteritis

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 227

TRT#: 13

SEX: Male

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040732

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Cyst	Moderate
Prostate		Inflammation	Suppurative, Mild
Salivary Glands		Cytomegaly	Mild
		Infiltration Cellular	Lipocyte, Minimal
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 2-7-1		
Spleen		Leukemia Mononuclear	
Note: EARLY LEUKEMIA.			
Note: LEUKEMIA MONUC	TGLs = 3-6		
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 228

TRT#: 13

SEX: Male

DAY ON TEST: 63

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A85033601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Prostate
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Salivary Glands
Stomach - Glandular
Trachea

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Seminal Vesicle
Testes
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Liver
Nose
Preputial Gland
Skin
Thymus

OBSERVATIONS

Kidney
Mammary Gland
Spleen

Capsule

Nephropathy
Hyperplasia
Hypertrophy

Chronic, Minimal
Lobular, Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 229

TRT#: 13

SEX: Male

DAY ON TEST: 682

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040733

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
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM MAL TGLs = 4-23	Medulla	Pheochromocytoma Malignant	
Heart		Inflammation	Chronic, Moderate
Kidney Note: NEPHROPATHY TGLs = 5-5-1		Nephropathy	Chronic, Marked
Liver Note: DEGEN TGLs = 6-24 Note: EOSIN FOCUS TGLs = 6-24 Note: CLEAR CL FOCUS TGLs = 7-25		Clear Cell Focus Degeneration Eosinophilic Focus	Mild Cystic, Mild Multiple, Moderate
Mammary Gland Note: CYST TGLs = 2-22 Note: HEMORRHAGE TGLs = 2-22	Duct Duct	Cyst Hemorrhage	Moderate Moderate
Nose	Lumen Lumen Submucosa	Foreign Body Inflammation Pigmentation	Mild Suppurative, Mild Minimal
Pancreas	Acinar Cell Acinar Cell	Atrophy Hyperplasia	Mild Moderate
Preputial Gland		Cyst	Mild
Skin	Dermis	Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 229

TRT#: 13

SEX: Male

DAY ON TEST: 682

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040733

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROSIS Stomach	TGLs = 1-21	Forestomach Epithelium, Forestomach Forestomach Forestomach	Edema Hyperplasia Inflammation Ulcer	Moderate Marked Chronic, Moderate Mild
Note: HYPERPLASIA [Hyperplasia TGLS = 9-4] [Ulcer TGLS = 9-4]	TGLs = 9-4			
Testes		Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA Thyroid Gland Tissue NOS	TGLs = 3-7	Follicle	Cyst	Mild
Note: TGL 2-22 IS MAMMARY GLAND.				

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 230

TRT#: 13

SEX: Male

DAY ON TEST: 641

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040734

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	Parathyroid Gland	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Brain		Compression	Moderate
[Compression TGLS = 5-1]			
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 2-5-1			
Liver		Vacuolization Cytoplasmic	Mild
Lung		Infiltration Cellular	Lymphocyte, Mild
Note: INFILTRAT CELL TGLs = 3-2			
Lymph Node	Mandibular	Cyst	Multiple, Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
Preputial Gland		Cyst	Mild
Prostate		Inflammation	Chronic, Moderate
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Testes	Bilateral	Atrophy	Moderate
Note: ATROPHY TGLs = 1-7			
Thymus		Hyperplasia	Lymphoid, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 231	TRT#: 14	SEX: Male	DAY ON TEST: 457
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Preputial Gland	Spleen	Urinary Bladder
------------	-----------------	--------	-----------------

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN TGLs = 1-2			
Testes	Interstit Cell	Adenoma	
	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:43

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 14

SEX: Male

DAY ON TEST: 456

DOSE: 0.0222% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Preputial Gland

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Mild

Liver

Clear Cell Focus

Multiple, Minimal

Eosinophilic Focus

Multiple, Minimal

Bile Duct

Hyperplasia

Mild

Vacuolization Cytoplasmic

Minimal

Spleen

Capsule

Hypertrophy

Minimal

Testes

Interstit Cell

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:43
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 233	TRT#: 14	SEX: Male	DAY ON TEST: 458
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Preputial Gland	Testes	Urinary Bladder
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Spleen	Capsule	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 234	TRT#: 14	SEX: Male	DAY ON TEST: 458
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Spleen	Urinary Bladder
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Preputial Gland		Cyst	Mild
Note: CYST	TGLs = 1-8		
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 235	TRT#: 14	SEX: Male	DAY ON TEST: 457
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Preputial Gland	Spleen	Urinary Bladder
------------	-----------------	--------	-----------------

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Testes	Interstit Cell	Adenoma	
	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 236

TRT#: 14

SEX: Male

DAY ON TEST: 456

DOSE: 0.0222% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Heart	Preputial Gland	Tissue NOS
Urinary Bladder			

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
Skin	Scrotum, Subcut Tiss	Fibrosarcoma	
Note: SLIDE #21 TISSUE NOS IS SKIN.			
Note: FIBROSARC TGLs = 1-21			
Spleen	Capsule	Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5-7,2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 237

TRT#: 14

SEX: Male

DAY ON TEST: 457

DOSE: 0.0222% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Preputial Gland

Testes

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Liver

Eosinophilic Focus

Minimal

Bile Duct

Hyperplasia

Mild

Inflammation

Granulomatous, Multiple, Minimal

Vacuolization Cytoplasmic

Minimal

Spleen

Capsule

Hypertrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 238

TRT#: 14

SEX: Male

DAY ON TEST: 458

DOSE: 0.0222% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Urinary Bladder

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 2-22		
Preputial Gland		Carcinoma	
		Cyst	Moderate
Note: CARCINOMA	TGLs = 1-21		
Spleen	Capsule	Hypertrophy	Minimal
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 239

TRT#: 14

SEX: Male

DAY ON TEST: 458

DOSE: 0.0222% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Preputial Gland

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Liver

Bile Duct

Hyperplasia

Minimal

Mesentery

Fat

Vacuolization Cytoplasmic

Minimal

Inflammation

Granulomatous, Focal, Mild

Note: INFLAMMATION TGLs = 1-21

Spleen

Capsule

Hypertrophy

Mild

Testes

Interstit Cell

Adenoma

Bilateral, Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 2-7

Note: HYPERPLASIA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 240	TRT#: 14	SEX: Male	DAY ON TEST: 456
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Preputial Gland	Spleen	Urinary Bladder
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Vacuolization Cytoplasmic	Minimal
Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Mild

Note: ADENOMA TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 241

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039847

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 - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Bilateral, Cortex	Hypertrophy	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mandibular	Cyst	Multiple, Mild
Mammary Gland	Duct	Cyst	Mild
Note: CYST			
Nose	Submucosa	Pigmentation	Minimal
Thyroid Gland	Follicle	Cyst	Mild
	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039848

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
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Mild
Note: CYST	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Cyst	Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 2-22		
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039849

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 - Mesenteric	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Lung	Mediastinum	Leukemia Mononuclear	
	Pleura	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-23]		
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Leukemia Mononuclear	
	Note: LEUKEMIA MONUC TGLs = 5-24,6-24		
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
	Note: CYST TGLs = 1-8		
Mesentery		Leukemia Mononuclear	
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Skeletal Muscle	Diaphragm	Leukemia Mononuclear	
	Note: LEUKEMIA MONUC TGLs = 2-21		
Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039849

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue

Squamous Cell Papilloma

Note: PAPILLOMA SQUA TGLs = 3-22

PRIMARY CAUSE OF DEATH

-

Animal Note: ATYPICAL LEUKEMIA MONUC

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 244

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Clitoral Gland		Cyst	
Note: CYST	TGLs = 2-22		
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 4-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Cortex	Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Note: EOSIN FOCUS TGLs = 3-23			
Lymph Node	Mediastinal	Angiectasis	Moderate
	Mandibular	Cyst	Multiple, Mild
Note: ANGIECTASIS TGLs = 4-24			
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-21			
Note: CYST TGLs = 2-22			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Multiple, Moderate
[Adenoma TGLS = 5-1]			
[Cyst TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039851

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

Tissue NOS

Note: TGL-1 ON SLIDE 21 IS MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 246

TRT#: 3

SEX: Female

DAY ON TEST: 634

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Note: VACUOLIZ CYTO TGLs = 6-10			
Bone Marrow		Leukemia Mononuclear	
Harderian Gland		Hemorrhage	Moderate
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 7-6		Vacuolization Cytoplasmic	Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-3			
Note: LEUKEMIA MONUC TGLs = 1-8-1			
[Leukemia Mononuclear TGLS = 8-22]			
[Leukemia Mononuclear TGLS = 5-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 246

TRT#: 3

SEX: Female

DAY ON TEST: 634

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039852

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland Note: CYST TGLs = 2-8	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Minimal
Ovary	Bilateral	Cyst	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6-1			
Thyroid Gland		Ultimobranchial Cyst	Mild
Uterus		Hyperplasia	Glandular, Mild
Note: HYPERPLASIA TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 247

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039853

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	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Brain		Compression	Moderate
[Compression TGLS = 4-1]			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Multiple, Moderate
		Inflammation	Granulomatous, Multiple, Minimal
Mammary Gland		Hyperplasia	Lobular, Moderate
Note: [HYPERPLASIA] TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild
Ovary		Cyst	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 3

SEX: Female

DAY ON TEST: 669

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039854

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
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Bilateral, Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow		Myelofibrosis	Moderate
Clitoral Gland	Bilateral	Cyst	Moderate
		Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1-21			
Note: CYST TGLs = 1-21			
Kidney	Renal Tubule	Pigmentation	Minimal
Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
Note: VACUOLIZ CYTO TGLs = 4-6			
Lung		Inflammation	Granulomatous, Focal, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-8-1			
Mammary Gland	Duct	Cyst	Mild
Mesentery	Fat	Inflammation	Granulomatous, Focal, Moderate
	Fat	Necrosis	Focal, Moderate
Note: INFLAMMATION TGLs = 3-22			
Note: NECROSIS TGLs = 3-22			
Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 248

TRT#: 3
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 669
HISTO: A86039854

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Intermed

Adenoma

[Adenoma TGLS = 5-1]

[Adenoma TGLS = 5-1]

Spleen

Leukemia Mononuclear

Thyroid Gland

C Cell

Carcinoma

Uterus

Cervix

Leiomyoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 249

TRT#: 3

SEX: Female

DAY ON TEST: 673

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039855

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	Lymph Node - Mesenteric	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Marked
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Cervix	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 249

TRT#: 3

SEX: Female

DAY ON TEST: 673

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039855

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 3

SEX: Female

DAY ON TEST: 687

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Heart
Intestine Small - Ileum
Parathyroid Gland
Stomach - Glandular
Uterus

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

Brain
Intestine Large - Rectum
Islets, Pancreatic
Skin
Trachea

Esophagus
Intestine Small - Duodenum
Ovary
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Adrenal Gland

Bone
 Note: HYPEROSTOSIS TGLs = 6-23
Clitoral Gland
Intestine Large
Kidney

Liver

 Note: HYPERPLASIA TGLs = 4-6
 Note: LEUKEMIA MONUC TGLs = 4-6
Lung
Lymph Node

 Note: LEUKEMIA MONUC TGLs = 2-21
Mammary Gland
Nose

Cortex
Cortex
Calvarium

Colon

Renal Tubule

Bile Duct

Mandibular
Mediastinal
Mesenteric
Pancreatic

Submucosa

Accessory Adrenal Cortical Nodule
Hyperplasia
Hyperostosis

Cyst
Parasite Metazoan
Nephropathy
Pigmentation
Cytomegaly
Hyperplasia
Hyperplasia
Karyomegaly
Leukemia Mononuclear

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Hyperplasia
Pigmentation

Mild
Focal, Mild
Mild

Moderate
Mild
Chronic, Mild
Minimal
Moderate
Mild
Nodular, Moderate
Moderate

Lobular, Moderate
Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 3

SEX: Female

DAY ON TEST: 687

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039856

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Acinar Cell	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1,8-1]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-6-1			
Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 5-22			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039857

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
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Inflammation	Chronic, Mild
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Mild
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Mesentery	Fat	Inflammation	Granulomatous, Focal, Moderate
	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 1-21			
Note: INFLAMMATION TGLs = 1-21			
Ovary		Cyst	Moderate
Note: CYST TGLs = 2-7-1			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Thyroid Gland	C Cell	Adenoma	
Uterus		Hemangioma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Bone Marrow

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Bone		Osteopetrosis	Marked
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Multiple, Moderate
		Inflammation	Granulomatous, Multiple, Minimal
Note: BASOPH FOCUS	TGLs = 5-23		
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
		Hyperplasia	Lobular, Mild
Note: FIBROADENOMA	TGLs = 1-21,2-22		
Note: HYPERPLASIA	TGLs = 3-8		
Note: CYST	TGLs = 3-8		
Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039858

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS

Note: TGL-2 ON SLIDE 22 IS MAMMARY GLAND

Note: TGL-1 ON SLIDE 21 IS MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 253

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Trachea

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Stomach - Forestomach

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Thymus

OBSERVATIONS

Heart
Kidney
Liver

Renal Tubule

Inflammation
Pigmentation
Basophilic Focus
Hepatodiaphragmatic Nodule
Hyperplasia
Inflammation

Chronic, Mild
Minimal
Multiple, Mild
Mild
Mild
Granulomatous, Multiple, Minimal

Note: HDN TGLs = 3-21

Mammary Gland

Duct

Cyst

Mild

Note: CYST TGLs = 1-7

Nose

Submucosa

Pigmentation

Mild

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Moderate

Spleen

Stomach

Epithelium, Glandular

Leukemia Mononuclear

Hyperplasia

Mild

Thyroid Gland

C Cell

Adenoma

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Spleen
Thyroid Gland

Bone
Esophagus
Intestine Small - Duodenum
Lung
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Salivary Glands
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Skin
Thymus

OBSERVATIONS

Adrenal Gland

Cortex
Cortex

Hypertrophy
Vacuolization Cytoplasmic

Focal, Mild
Focal, Mild

Heart
Kidney

Inflammation
Nephropathy

Chronic, Moderate
Chronic, Mild

Liver

Renal Tubule
Bile Duct

Pigmentation
Basophilic Focus
Hyperplasia
Inflammation

Minimal
Multiple, Mild
Mild
Granulomatous, Multiple, Minimal

Note: BASOPH FOCUS TGLs = 3-21

Mammary Gland

Hyperplasia
Pigmentation

Lobular, Mild
Minimal

Nose

Submucosa
Acinar Cell

Atrophy

Mild

Pancreas

Pars Distalis

Hyperplasia

Focal, Mild

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 255

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039861

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	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Clitoral Gland		Cyst	Moderate
		Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 1-8		
Note: CYST	TGLs = 1-8		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Minimal
Mammary Gland		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA	TGLs = 2-8		
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Moderate
	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 3

SEX: Female

DAY ON TEST: 700

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone	Calvarium	Hyperostosis	Moderate
		Osteopetrosis	Moderate
Note: HYPEROSTOSIS TGLs = 13-27			
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Abscess	Marked
		Cyst	Moderate
		Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 3-21,4-22			
Note: CYST TGLs = 4-22			
Note: ABSCESS TGLs = 3-21			
Heart		Leukemia Mononuclear	
Intestine Small	Ileum, Lymphoid Tiss	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 3

SEX: Female

DAY ON TEST: 700

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039862

ORGAN AND ACCOUNTABLE SITE STATUS

Mandibular	Leukemia Mononuclear
Mediastinal	Leukemia Mononuclear
Mesenteric	Leukemia Mononuclear
Pancreatic	Leukemia Mononuclear
Renal	Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 9-3

Note: LEUKEMIA MONUC TGLs = 8-5

[Leukemia Mononuclear TGLS = 10-25]

[Leukemia Mononuclear TGLS = 11-26]

[Leukemia Mononuclear TGLS = 5-23]

[Leukemia Mononuclear TGLS = 2-8-1]

Mammary Gland

Hyperplasia

Lobular, Mild

Note: HYPERPLASIA TGLs = 1-8

Nose

Submucosa

Pigmentation

Mild

Ovary

Bilateral

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 12-7

Pancreas

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-23

Spleen

Fibrosis

Focal, Moderate

Note: FIBROSIS TGLs = 7-24

Note: LEUKEMIA MONUC TGLs = 6-6-1,7-24

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 3

SEX: Female

DAY ON TEST: 694

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039863

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	Ovary
Pancreas	Parathyroid Gland	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Brain		Compression	Moderate
[Compression TGLS = 5-1]			
Clitoral Gland		Cyst	Moderate
Note: CYST TGLs = 2-22			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver	Bile Duct	Basophilic Focus	Multiple, Mild
		Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
		Vacuolization Cytoplasmic	Marked
Mammary Gland	Duct	Cyst	Marked
Note: CYST TGLs = 1-8			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 3-21			
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1-1]			
Salivary Glands	Acinar Cell	Atrophy	Moderate
		Inflammation	Chronic, Moderate
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 257

TRT#: 3
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 694
HISTO: A86039863

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Pigmentation	Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 258

TRT#: 3

SEX: Female

DAY ON TEST: 700

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039864

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	Ovary	Parathyroid Gland	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Brain		Compression	Moderate
[Compression TGLS = 6-1]			
Clitoral Gland	Bilateral	Cyst	Moderate
Note: HYPERPLASIA TGLs = 2-8		Hyperplasia	Moderate
Note: CYST TGLs = 2-8			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Clear Cell Focus	Moderate
		Inflammation	Granulomatous, Multiple, Mild
Note: CLEAR CL FOCUS TGLs = 3-6			
Lung		Inflammation	Granulomatous, Focal, Mild
[Inflammation TGLS = 4-2]			
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Pancreas		Basophilic Focus	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1-1]			
Salivary Glands	Acinar Cell	Hyperplasia	Marked
Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 258

TRT#: 3
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 700
HISTO: A86039864

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Forestomach	Edema	Moderate
	Epithelium, Forestomach	Hyperplasia	Marked
	Forestomach	Inflammation	Chronic, Moderate
	Forestomach	Ulcer	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039865

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
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Brain		Compression	Moderate
[Compression TGLS = 4-1]			
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
		Inflammation	Granulomatous, Multiple, Moderate
		Vacuolization Cytoplasmic	Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA			
TGLs = 2-8-1			
Mammary Gland	Duct	Cyst	Moderate
		Fibroadenoma	
Note: CYST			
TGLs = 1-8,1-21			
Note: FIBROADENOMA IS ON SLIDE 8			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 259

TRT#: 3
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: A86039865

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Pigmentation	Moderate
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Salivary Glands
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Skin
Thyroid Gland

Bone
Heart
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Clitoral Gland
Note: CARCINOMA TGLs = 2-22
Intestine Large
Kidney
Liver
Lymph Node
Note: ANGIECTASIS TGLs = 3-21
Mammary Gland
Nose
Spleen

Colon
Renal Tubule
Mediastinal
Submucosa

Carcinoma
Parasite Metazoan
Nephropathy
Pigmentation
Basophilic Focus
Eosinophilic Focus
Inflammation
Angiectasis
Hyperplasia
Pigmentation
Hematopoietic Cell Proliferation
Mild
Chronic, Mild
Minimal
Multiple, Mild
Multiple, Mild
Granulomatous, Multiple, Minimal
Mild
Lobular, Mild
Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 261

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Uterus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Clitoral Gland
Note: CLITORAL GLAND MASS ON SLIDE 21 IS MAMMARY GLAND/ADENOCARC.

Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	

Note: FIBROADENOMA TGLs = 2-22

Note: ADENOCARC TGLs = 1-21

Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-1]		
Thyroid Gland	C Cell	Adenoma	

Tissue NOS
Note: TGL-2 ON SLIDE 22 IS MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Cortex	Hypertrophy	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Pigmentation	Minimal
Liver		Clear Cell Focus	Mild
		Inflammation	Granulomatous, Multiple, Minimal
Lung		Atelectasis	Moderate
		Infiltration Cellular	Histiocyte, Multiple, Mild
Note: ATELECTASIS TGLs = 1-2-1,2-2-1			
Note: GROSS LESIONS ARE ATELECTASIS			
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 3-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 263

TRT#: 3

SEX: Female

DAY ON TEST: 613

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Esophagus	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS TGLs = 5-22			
Brain		Compression	Moderate
[Compression TGLS = 8-1]			
Clitoral Gland	Bilateral	Cyst	Mild
		Hyperplasia	Mild
Heart		Inflammation	Chronic, Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 4-5-1			
Liver		Inflammation	Granulomatous, Multiple, Minimal
Mammary Gland	Duct	Cyst	Marked
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 3-21			
Note: CYST TGLs = 2-8			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
Tissue NOS			
Note: TGL-3 ON SLIDE 21 IS MAMMARY GLAND			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 263

TRT#: 3

SEX: Female

DAY ON TEST: 613

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039869

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 264

TRT#: 3

DOSE: 0.0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: A86039870

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	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Compression	Mild
[Compression TGLS = 3-1]			
Clitoral Gland		Cyst	Moderate
		Hyperplasia	Mild
		Inflammation	Suppurative, Mild
Note: CLITORAL GLAND LESIONS ARE ON SLIDE 8,NOT SLIDE 23			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
		Mixed Cell Focus	Mild
Note: MIXED CELL FOCUS IS ON SLIDE 22			
Note: HDN TGLs = 2-22			
Mammary Gland	Duct	Cyst	Moderate
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-21,1-21-1			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 264

TRT#: 3

SEX: Female

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039870

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus

Thymoma Benign

Tissue NOS

Note: TGL-1 ON SLIDE 21 IS MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 3

SEX: Female

DAY ON TEST: 480

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039871

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	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Clitoral Gland		Cyst	Multiple, Moderate
Note: CYST TGLs = 1-23			
Liver		Basophilic Focus	Minimal
Mammary Gland	Duct	Cyst	
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-21			
Nose	Submucosa	Pigmentation	Minimal
Tissue NOS			
Note: TGL-2 ON SLIDE 21 IS MAMMARY GLAND			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 3-22,3-22.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Salivary Glands
Stomach - Glandular
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Skin
Thymus

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Trachea

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Clitoral Gland

Adenoma
Cyst

Mild

Heart

Inflammation

Chronic, Mild

Kidney

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Mild

Clear Cell Focus

Multiple, Mild

Inflammation

Granulomatous, Multiple, Mild

Mammary Gland

Fibroadenoma

Hyperplasia

Lobular, Mild

Note: FIBROADENOMA TGLs = 1-21

Nose

Submucosa

Pigmentation

Mild

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039873

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	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Clitoral Gland	Lymph Node - Mesenteric
----------------	-------------------------

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Clear Cell Focus	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Note: CLEAR CL FOCUS TGLs = 5-6			
Lung		Infiltration Cellular	Histiocyte, Focal, Mild
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA TGLs = 1-21			
Note: CYST TGLs = 1-21			
Note: FIBROADENOMA TGLs = 2-22,2-22-1			
Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
Thyroid Gland	C Cell	Hyperplasia	Mild
Tissue NOS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 267

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039873

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TISSUE NOS ON SLIDE 21 AND 22 & 22-1 ARE MAMMARY GLAND

Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Polyp Stromal

Note: HYPERPLASIA TGLs = 3-7

Note: POLYP STROMAL-ONLY EDGE OF POLYP ON SLIDE

Note: POLYP STROMAL TGLs = 4-7-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 3

SEX: Female

DAY ON TEST: 613

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lacrimal Gland	Lung	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Bone Note: SQUAM CEL CARC TGLs = 4-9 Note: SQUAMOUS CELL CARCINOMA IS FROM RESPIRATORY EPITHELIUM	Maxilla	Squamous Cell Carcinoma	Metastatic (Nose)
Clitoral Gland	Bilateral	Cyst	Mild
Kidney	Renal Tubule	Nephropathy	Chronic, Mild
Liver	Bile Duct	Pigmentation	Minimal
Lymph Node Note: HYPERPLASIA TGLs = 5-8-1 Note: ANGIECTASIS TGLs = 5-8-1	Mandibular	Basophilic Focus	Multiple, Mild
Mammary Gland Note: CYST TGLs = 1-8	Mandibular	Hyperplasia	Mild
Mesentery Note: FIBROSARC TGLs = 2-21		Inflammation	Granulomatous, Multiple, Mild
Nose	Duct	Angiectasis	Mild
Pancreas	Fat	Hyperplasia	Lymphoid, Mild
Pituitary Gland	Submucosa	Cyst	Mild
	Respirat Epith	Fibrosarcoma	
	Acinar Cell	Pigmentation	Minimal
	Pars Distalis	Squamous Cell Carcinoma	
		Basophilic Focus	Mild
		Hyperplasia	Mild
		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 3

SEX: Female

DAY ON TEST: 613

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039874

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-1]

Tissue NOS

Note: TGL-4 ON SLIDE 9 IS BONE/MAXILLA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS TGLs = 3-22			
Brain		Carcinoma	Metastatic (Pituitary Gland)
Note: CARCINOMA TGLs = 4-1		Compression	Moderate
[Compression TGLS = 4-1]			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 2-5			
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mediastinal	Angiectasis	Moderate
Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Moderate
Note: HYPERPLASIA TGLs = 1-21			
Note: CYST TGLs = 1-21			
Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039875

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Bilateral, C Cell

Adenoma

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Hyperplasia

Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 3

DOSE: 0.0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: A86039876

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	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS TGLs = 5-23			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
		Hyperplasia	Lobular, Moderate
Note: HYPERPLASIA TGLs = 1-8			
Note: FIBROADENOMA TGLs = 2-21			
Note: CYST TGLs = 1-8			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 3-22			
Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039876

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

Tissue NOS

Note: TISSUE NOS ON SLIDE 21 IS MAMMARY GLAND.

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 4-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 271

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039877

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 - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
		Fibroadenoma	
Mammary Gland			
Note: FIBROADENOMA	TGLs = 1-21		
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 2-22		
Nose	Submucosa	Pigmentation	Minimal
Tissue NOS			
Note: TGL-1 ON SLIDE 21 IS MAMMARY GLAND			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 272

TRT#: 3

SEX: Female

DAY ON TEST: 723

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Brain		Compression	Moderate
[Compression TGLS = 4-1]			
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 2-5		Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
		Vacuolization Cytoplasmic	Moderate
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-21,5-22		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA TGLs = 1-21,5-22			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
	Submucosa	Pigmentation	Mild
Ovary		Cyst	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 272

TRT#: 3

SEX: Female

DAY ON TEST: 723

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039878

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Forestomach	Edema	Marked
	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Ulcer	Multiple, Marked
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

Tissue NOS

Note: TGL-1 ON SLIDE 21 AND TGL-5 ON SLIDE 22 ARE MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 273

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039879

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
Lung	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Brain			
Note: POOR SECTION PROCESSING ARTIFACT			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Minimal
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 274

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039880

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	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex, Spindle Cell	Hyperplasia	Focal, Moderate
Clitoral Gland		Carcinoma	
		Cyst	Moderate
Note: CARCINOMA TGLs = 3-24			
Note: CYST TGLs = 3-24			
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Moderate
		Inflammation	Granulomatous, Multiple, Mild
Note: INFLAMMATION TGLs = 5-6			
Note: BASOPH FOCUS TGLs = 5-6			
[Inflammation TGLS = 6-22]			
Mammary Gland		Adenocarcinoma	
	Duct	Cyst	Moderate
Note: CYST TGLs = 2-8			
Note: ADENOCARC TGLs = 1-21			
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 7-23			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 274

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039880

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 8-1]

Thyroid Gland

C Cell

Adenoma

Tissue NOS

Note: TGL-1 ON SLIDE 21 IS MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 3

SEX: Female

DAY ON TEST: 518

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039881

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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Clitoral Gland		Carcinoma	
		Cyst	Moderate
Note: CARCINOMA TGLs = 2-21			
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
Mammary Gland	Duct	Cyst	Mild
Note: CYST TGLs = 1-8			
Nose	Submucosa	Pigmentation	Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-6-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039882

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	Ovary
Pancreas	Salivary Glands	Spleen	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Vacuolization Cytoplasmic	Focal, Mild
Brain		Compression	Marked
[Compression TGLS = 6-1]			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
		Vacuolization Cytoplasmic	Moderate
Mammary Gland	Duct	Cyst	Moderate
		Fibroadenoma	
Note: CYST TGLs = 3-8			
Note: FIBROADENOMA TGLs = 2-22			
Nose	Submucosa	Pigmentation	Minimal
Parathyroid Gland			
Note: PARATHYROID MISSING;NOT ON RECUT			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 1-21			
Stomach	Forestomach	Edema	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 3

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039882

ORGAN AND ACCOUNTABLE SITE STATUS

Epithelium, Forestomach

Hyperplasia

Moderate

Forestomach

Inflammation

Chronic, Mild

Forestomach

Ulcer

Multiple, Moderate

Thyroid Gland

C Cell

Hyperplasia

Focal, Moderate

Tissue NOS

Note: TGL-2 ON SLIDE 22 IS MAMMARY GLAND

Note: TGL-1 ON SLIDE 21 IS SKIN/NOSE

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 277

TRT#: 3

SEX: Female

DAY ON TEST: 663

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039883

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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Cyst	Mild
Heart	Atrium	Thrombosis	Marked
Note: ATRIAL THROMBUS ON SLIDE 2			
Kidney	Renal Tubule	Pigmentation	Minimal
Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
Note: [VACUOLIZ CYTO] TGLs = 3-6			
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Note: [HYPERPLASIA] TGLs = 3-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-3			
Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Mild
Note: [CYST] TGLs = 2-8			
Note: [HYPERPLASIA] TGLs = 2-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 277

TRT#: 3

SEX: Female

DAY ON TEST: 663

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039883

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-6-1			
Stomach	Forestomach	Edema	Mild
	Glandular	Erosion	Multiple, Mild
	Epithelium, Forestomach	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 278

TRT#: 3

SEX: Female

DAY ON TEST: 438

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86036984

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	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Heart		Inflammation	Chronic, Minimal
Kidney	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Minimal
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Minimal
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

Animal Note: TISSUE NOS IS ACTUALLY MAMMARY GLAND.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 279

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039884

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	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Clitoral Gland		Cyst	Mild
		Hyperplasia	Mild
Heart		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Minimal
		Mixed Cell Focus	Mild
Note: MIXED CL FOCUS TGLs = 2-21			
Lung		Inflammation	Granulomatous, Focal, Mild
Mammary Gland	Duct	Cyst	Mild
Note: CYST TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
		Basophilic Focus	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Stomach - Forestomach
Urinary Bladder

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Glandular

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Thymus

OBSERVATIONS

Clitoral Gland
Note: CLITORAL GLAND IS ON SLIDE 21
Note: CARCINOMA TGLs = 1-21

Carcinoma

Heart
Kidney

Inflammation
Nephropathy

Chronic, Mild
Chronic, Mild

Liver

Renal Tubule
Bile Duct

Pigmentation
Basophilic Focus
Hyperplasia
Leukemia Mononuclear

Minimal
Multiple, Mild
Mild

Mammary Gland

Duct

Cyst
Fibroadenoma

Moderate

Note: FIBROADENOMA TGLs = 2-21
Note: CYST TGLs = 2-21
Note: MAMMARY GLAND IS ON SLIDE 21

Nose
Pituitary Gland

Submucosa
Pars Distalis
Pars Distalis

Pigmentation
Cyst
Hyperplasia
Leukemia Mononuclear

Mild
Multiple, Mild
Focal, Moderate

Spleen
Thyroid Gland
Uterus

C Cell
Cervix
Cervix

Hyperplasia
Cyst
Inflammation

Mild
Marked
Suppurative, Moderate

Note: INFLAMMATION TGLs = 3-7-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039885

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039886

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
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland		Cyst	Moderate
		Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 5-3			
Mammary Gland	Duct	Cyst	Moderate
		Fibroadenoma	
Note: CYST TGLs = 1-21			
Note: FIBROADENOMA IS ON SLIDES 8-1 AND 21			
Note: FIBROADENOMA TGLs = 1-21			
Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild
Tissue NOS			
Note: TGL-1 ON SLIDE 21 IS MAMMARY GLAND			
Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039886

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYP STROMAL TGLs = 2-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 282

TRT#: 3

SEX: Female

DAY ON TEST: 700

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039887

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	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
Brain		Compression	Moderate
[Compression TGLS = 4-1]			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland	Duct	Cyst	Mild
Note: CYST			
TGLs = 2-8			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 3

SEX: Female

DAY ON TEST: 494

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone Marrow		Myelofibrosis	Marked
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
Lung		Edema	Moderate
		Leukemia Mononuclear	
[Edema TGLS = 3-2]			
[Leukemia Mononuclear TGLS = 3-2]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 1-21			
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 4-1]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6			
Stomach	Glandular	Edema	Moderate
	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 3

SEX: Female

DAY ON TEST: 494

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039888

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus

Mediastinum

Leukemia Mononuclear

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 3

SEX: Female

DAY ON TEST: 687

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039889

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	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Hypertrophy	Focal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-10		
Note: LEUKEMIA MONUC	TGLs = 6-10		
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Atrophy	Moderate
	Bilateral	Cyst	Moderate
Heart		Inflammation	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
Note: LEUKEMIA MONUC	TGLs = 8-6		
Note: HYPERPLASIA	TGLs = 7-6,9-23		
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 3

SEX: Female

DAY ON TEST: 687

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86039889

ORGAN AND ACCOUNTABLE SITE STATUS

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-22

Note: LEUKEMIA MONUC TGLs = 10-3

Mammary Gland

Duct

Cyst

Mild

Fibroadenoma

Note: CYST TGLs = 2-8

Note: FIBROADENOMA TGLs = 1-21

Nose

Submucosa

Pigmentation

Mild

Ovary

Cyst

Moderate

Leukemia Mononuclear

Note: CYST TGLs = 3-7-1

Pituitary Gland

Pars Distalis

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-6-1

Stomach

Epithelium, Forestomach

Hyperplasia

Mild

Forestomach

Inflammation

Chronic, Moderate

Thymus

Leukemia Mononuclear

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

Tissue NOS

Note: TGL-1 ON SLIDE 21 IS MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 285

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039890

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 - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Lung		Infiltration Cellular	Lymphocyte, Mild
Note: INFILTRAT CELL TGLs = 1-2			
Lymph Node	Mediastinal	Angiectasis	Mild
	Mandibular	Cyst	Multiple, Mild
	Mandibular	Hyperplasia	Lymphoid, Mild
Note: ANGIECTASIS TGLs = 2-3			
Note: HYPERPLASIA TGLs = 3-8-1			
Mammary Gland	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Stomach	Epithelium, Forestomach	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039891

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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Clitoral Gland		Adenoma	
	Bilateral	Cyst	Mild
		Hyperplasia	Focal, Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland	Duct	Cyst	Moderate
Note: CYST	TGLs = 1-8		
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Ovary		Cyst	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 2-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039892

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
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mesenteric	Angiectasis	Moderate
	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Lymphoid, Moderate
Mammary Gland		Adenoma	
	Duct	Cyst	Moderate
		Fibroadenoma	
		Hyperplasia	Lobular, Mild
Note: [ADENOMA] TGLs = 2-22			
Note: [HYPERPLASIA] TGLs = 2-22,1-21			
Note: [FIBROADENOMA] TGLs = 3-23,1-21			
Note: [CYST] TGLs = 1-21,2-22			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Tissue NOS			
Note: TGL-1 ON SLIDE 21 AND TGL-3 ON SLIDE 23 ARE MAMMARY GLAND			
Uterus		Inflammation	Suppurative, Mild
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 287

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039892

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039893

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	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Note: "MASS" IS NORMAL HEPATIC TISSUE			
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 289

TRT#: 3

DOSE: 0.0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: A86039894

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 - Mesenteric	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Clitoral Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 2-8-2		Cyst	Moderate
Note: CYST TGLs = 2-8-2			
Heart		Inflammation	Chronic, Mild
Kidney		Fibrosis	Focal, Moderate
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Note: FIBROSIS TGLs = 3-21			
Liver		Eosinophilic Focus	Multiple, Moderate
Note: EOSIN FOCUS TGLs = 4-22			
Lung		Infiltration Cellular	Lymphocyte, Mild
Note: INFILTRAT CELL TGLs = 5-2			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 7-8-1			
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 289

TRT#: 3
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: A86039894

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]

Thyroid Gland
Uterus

C Cell

Carcinoma
Dilatation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 3

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86039895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS TGLs = 3-21			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Minimal
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8			
Nose	Lumen	Fungus	Moderate
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036985

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	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Liver		Basophilic Focus	Multiple, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Pancreatic	Pigmentation	Moderate
Note: NODULE IN PANCREAS APPEARS TO BE PANCREATIC LYMPH NODE.			
Note: HYPERPLASIA TGLs = 3-3			
[Hyperplasia TGLs = 2-7-1]			
Nose	Submucosa	Pigmentation	Minimal
Ovary		Cyst	Mild
Note: CYST TGLs = 1-7			
Thymus		Hyperplasia	Lymphoid, Mild
Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292

TRT#: 4

DOSE: 0.0% 15 SSAC

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 456

HISTO: A86036986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Heart

Intestine Small - Duodenum

Lung

Pancreas

Skin

Thymus

Adrenal Gland - Medulla

Intestine Large - Cecum

Intestine Small - Ileum

Lymph Node - Mandibular

Parathyroid Gland

Spleen

Thyroid Gland

Brain

Intestine Large - Colon

Intestine Small - Jejunum

Lymph Node - Mesenteric

Pituitary Gland

Stomach - Forestomach

Trachea

Esophagus

Intestine Large - Rectum

Islets, Pancreatic

Mammary Gland

Salivary Glands

Stomach - Glandular

Urinary Bladder

OBSERVATIONS

Bone

Note: HYPEROSTOSIS TGLs = 5-22

Calvarium

Hyperostosis

Moderate

Bone Marrow

Clitoral Gland

Note: CYST TGLs = 1-8

Kidney

Renal Tubule

Hyperplasia

Cyst

Reticulum Cell, Mild

Moderate

Liver

Bile Duct

Mineralization

Nephropathy

Basophilic Focus

Hyperplasia

Inflammation

Mixed Cell Focus

Mild

Chronic, Minimal

Minimal

Minimal

Granulomatous, Multiple, Minimal

Mild

Note: MIXED CL FOCUS TGLs = 4-21

Nose

Ovary

Note: CYST TGLs = 3-7

Uterus

Note: DILATATION TGLs = 2-7

Submucosa

Bilateral

Pigmentation

Cyst

Dilatation

Minimal

Marked

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Uterus

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Intestine Large
Liver

Colon

Parasite Metazoan

Minimal

Basophilic Focus

Multiple, Minimal

Bile Duct

Hyperplasia

Minimal

Inflammation

Granulomatous, Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036988

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 - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Mild
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Mild
Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 1-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Heart
Liver

Bile Duct

Nose
Uterus

Submucosa
Endometrium

Inflammation
Basophilic Focus
Hyperplasia
Inflammation
Pigmentation
Hyperplasia

Chronic, Minimal
Multiple, Mild
Minimal
Granulomatous, Multiple, Minimal
Minimal
Cystic, Minimal

Note: HYPERPLASIA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Clitoral Gland
Liver

Nose

Submucosa

Cyst
Basophilic Focus
Inflammation
Pigmentation

Mild
Minimal
Granulomatous, Multiple, Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Liver
Nose
Uterus

Submucosa

Basophilic Focus
Pigmentation
Polyp Stromal

Multiple, Minimal
Minimal

Note: POLYP STROMAL TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Trachea

Bone
Heart
Intestine Small - Duodenum
Liver
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Skin
Thymus

OBSERVATIONS

Clitoral Gland
Note: CYST TGLs = 1-8

Kidney
[Inflammation TGLS = 3-22]
[Nephropathy TGLS = 3-22]

Mammary Gland
Nose
Uterus
Note: POLYP STROMAL TGLs = 2-21

Renal Tubule

Duct
Submucosa

Cyst

Dilatation
Inflammation
Nephropathy

Cyst
Pigmentation
Polyp Stromal

Moderate

Moderate
Chronic, Focal, Moderate
Chronic, Mild

Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Skin
Thymus

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland
Liver
Mesentery
 Note: NECROSIS TGLs = 1-21
Uterus

Cortex, Spindle Cell

Fat
Endometrium

Hyperplasia
Basophilic Focus
Necrosis

Hyperplasia
Polyp Stromal

Focal, Mild
Multiple, Mild
Focal, Moderate

Cystic, Mild

Note: POLYP STROMAL TGLs = 2-22
Note: STROMAL POLYP IS AVASCULAR AND NECROTIC.
Note: HYPERPLASIA TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Kidney
Liver
Nose

Submucosa

Nephropathy
Basophilic Focus
Pigmentation

Chronic, Minimal
Multiple, Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 7

SEX: Female

DAY ON TEST: 634

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 5-23	Calvarium	Hyperostosis	Mild
Brain [Compression TGLS = 7-1]		Compression	Mild
Heart		Inflammation	Chronic, Mild
Kidney Note: NEPHROPATHY TGLs = 3-5	Renal Tubule	Nephropathy Pigmentation	Chronic, Moderate Minimal
Liver Note: EOSIN FOCUS TGLs = 4-22		Basophilic Focus Eosinophilic Focus Inflammation	Multiple, Mild Multiple, Mild Granulomatous, Multiple, Mild
Mammary Gland Note: CYST TGLs = 1-8 Note: FIBROADENOMA TGLs = 2-21	Duct	Cyst Fibroadenoma Hyperplasia	Mild Lobular, Moderate
Nose	Submucosa	Pigmentation	Mild
Pancreas		Basophilic Focus	Multiple, Mild
Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 7

SEX: Female

DAY ON TEST: 634

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039948

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS

Note: TGL-2 ON SLIDE 21 IS MAMMARY GLANDS

Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039949

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Minimal
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Uterus		Hemorrhage	Marked
		Hyperplasia	Glandular, Moderate
		Polyp Stromal	

Note: POLYP STROMAL TGLs = 1-21,1-21-2

Note: HYPERPLASIA TGLs = 1-21-1

Note: HEMORRHAGE TGLs = 1-21,1-21-2

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Stomach - Glandular

Bone
Esophagus
Intestine Small - Duodenum
Lung
Salivary Glands
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Skin
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Spleen

OBSERVATIONS

Adrenal Gland
Eye

Cortex
Retina

Hypertrophy
Cataract
Degeneration

Focal, Mild
Mild
Marked

Note: DEGEN TGLs = 1-44
Note: CATARACT TGLs = 1-44

Heart
Kidney

Renal Tubule

Inflammation
Nephropathy
Pigmentation

Chronic, Mild
Chronic, Moderate
Minimal

Note: NEPHROPATHY TGLs = 4-5

Liver

Bile Duct

Basophilic Focus
Eosinophilic Focus
Hyperplasia
Inflammation

Multiple, Mild
Multiple, Mild
Minimal
Granulomatous, Multiple, Minimal

Note: EOSIN FOCUS TGLs = 5-6

Mammary Gland
Mesentery

Fat

Hyperplasia
Necrosis

Lobular, Mild
Focal, Mild

Note: NECROSIS TGLs = 2-21

Nose
Ovary

Submucosa

Pigmentation
Cyst

Minimal
Moderate

Note: CYST TGLs = 3-7

Pancreas
Pituitary Gland

Acinar Cell
Pars Distalis

Atrophy
Adenoma

Mild

[Adenoma TGLS = 6-1]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039950

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
Uterus		Polyp Stromal	
	Vein	Thrombosis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Compression	Moderate
Clitoral Gland		Cyst	Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY TGLs = 4-5			
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 5-6			
Note: LEUKEMIA MONUC TGLs = 5-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Angiectasis	Moderate
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: ANGIECTASIS TGLs = 8-3			
Note: LEUKEMIA MONUC TGLs = 7-8-1			
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
		Hyperplasia	Lobular, Mild
Note: FIBROADENOMA TGLs = 1-21			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039951

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST	TGLs = 2-8,1-21			
Nose		Submucosa	Pigmentation	Mild
Pancreas			Basophilic Focus	Multiple, Mild
			Leukemia Mononuclear	
Pituitary Gland		Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]			
Spleen			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1			
Stomach		Epithelium, Forestomach	Hyperplasia	Mild
Uterus			Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039952

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	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Harderian Gland		Hemorrhage	Moderate
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland	Duct	Cyst	Moderate
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 3-22		
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 306

TRT#: 7

SEX: Female

DAY ON TEST: 476

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Islets, Pancreatic
Pancreas
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Lung
Parathyroid Gland
Stomach - Glandular
Uterus

Bone
Esophagus
Intestine Large - Rectum
Lymph Node - Mandibular
Salivary Glands
Thymus

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mesenteric
Skin
Trachea

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Kidney
Liver

Nephropathy
Mixed Cell Focus
Vacuolization Cytoplasmic

Chronic, Mild
Moderate
Mild

Note: MIXED CL FOCUS TGLs = 4-22

Centrilobular

Lymph Node

Note: CONGESTION TGLs = 5-3

Mediastinal

Congestion

Moderate

Mammary Gland

Note: CARCINOMA TGLs = 2-21

Carcinoma

Nose

Submucosa

Pigmentation

Mild

Ovary

Note: CYST TGLs = 3-7

Cyst

Moderate

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Mild

Spleen

Pigmentation

Moderate

Thyroid Gland

C Cell

Carcinoma

Tissue NOS

Note: TGL-2 ON SLIDE 21 IS MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 7

SEX: Female

DAY ON TEST: 604

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Cystic, Marked
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
Note: LEUKEMIA MONUC	TGLs = 3-6		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-2		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-3		
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Moderate
Nose	Submucosa	Pigmentation	Minimal
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-6-1		
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 307

TRT#: 7

SEX: Female

DAY ON TEST: 604

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039954

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 308

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039955

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	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 2-8		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: HYPERPLASIA	TGLs = 5-6		
Note: LEUKEMIA MONUC	TGLs = 5-6		
Note: HYPERPLASIA	TGLs = 5-6,6-21		
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Angiectasis	Moderate
	Pancreatic	Angiectasis	Moderate
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: ANGIECTASIS	TGLs = 7-5-1		
Note: LEUKEMIA MONUC	TGLs = 9-7-1		
Note: ANGIECTASIS	TGLs = 9-7-1		
Note: LEUKEMIA MONUC	TGLs = 7-5-1		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 308

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039955

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland Note: HYPERPLASIA TGLs = 1-8		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
Spleen Note: LEUKEMIA MONUC TGLs = 3-6-1		Leukemia Mononuclear	
Uterus Note: HYPERPLASIA TGLs = 4-7-2	Cervix, Myometrium	Hyperplasia Hyperplasia	Moderate Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 309

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039956

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	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Eye		Cataract	Mild
	Retina	Degeneration	Marked
Note: CATARACT	TGLs = 1-21		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Lung		Inflammation	Granulomatous, Multiple, Mild
Note: INFLAMMATION	TGLs = 3-2		
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 2-22		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
	Pars Intermed	Hyperplasia	Mild
Thymus		Hyperplasia	Lymphoid, Moderate
Thyroid Gland	C Cell	Adenoma	
Tissue NOS			
Note: TGL-2 ON SLIDE 22 IS MAMMARY GLAND			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 309

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039956

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 310

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039957

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	Mammary Gland	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Bilateral, Cortex	Hyperplasia	Mild
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS TGLs = 2-22			
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
		Vacuolization Cytoplasmic	Mild
		Inflammation	Granulomatous, Focal, Moderate
Lung			
Note: INFLAMMATION TGLs = 3-23			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild
Ovary		Cyst	Mild
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
	Pars Distalis	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 311

TRT#: 7

SEX: Female

DAY ON TEST: 720

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Thyroid Gland	Trachea
Uterus			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex Medulla Bilateral, Cortex	Leukemia Mononuclear Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage Leukemia Mononuclear	Multiple, Marked
	[Hemorrhage TGLS = 4-1] [Leukemia Mononuclear TGLS = 4-1]		
Clitoral Gland		Cyst	Moderate
Kidney		Leukemia Mononuclear Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia Hyperplasia Leukemia Mononuclear	Mild Nodular, Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular Mediastinal Mesenteric	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
Mammary Gland	Duct	Leukemia Mononuclear Cyst	Mild
Note: CYST	TGLs = 1-8		
Mesentery	Fat	Inflammation	Granulomatous, Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 311

TRT#: 7

SEX: Female

DAY ON TEST: 720

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039958

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INFLAMMATION TGLs = 2-21 Note: NECROSIS TGLs = 2-21	Fat	Necrosis	Focal, Moderate
Nose	Submucosa	Pigmentation	Minimal
Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Stomach	Forestomach	Edema	Mild
	Glandular	Erosion	Mild
	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic, Moderate
	Forestomach	Ulcer	Multiple, Moderate
Urinary Bladder	Transit Epithe	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 312

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Lung	Alveolus	Pigmentation	Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Mammary Gland		Hyperplasia	Lobular, Moderate
Note: HYPERPLASIA	TGLs = 1-8		
Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 313

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039960

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 - Mesenteric	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Brain		Compression	Mild
[Compression TGLS = 5-1]			
Clitoral Gland		Cyst	Mild
Eye		Cataract	Marked
	Retina	Degeneration	Marked
Note: CATARACT	TGLs = 1-21		
Note: DEGEN	TGLs = 1-21		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Angiectasis	Mild
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Angiectasis TGLS = 3-23]			
Mammary Gland		Hyperplasia	Lobular, Moderate
Note: HYPERPLASIA	TGLs = 2-22		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 313

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039960

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
Spleen		Leukemia Mononuclear	
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 314

TRT#: 7

SEX: Female

DAY ON TEST: 521

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039961

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	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Parathyroid Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-10		
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Cyst	Moderate
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA	TGLs = 7-6-1		
Note: LEUKEMIA MONUC	TGLs = 7-6-1		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-2		
Lymph Node			
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-21		
Note: LEUKEMIA MONUC	TGLs = 9-22		
Mammary Gland	Duct	Cyst	Moderate
Note: CYST	TGLs = 1-8		
Nose	Submucosa	Pigmentation	Minimal
Ovary		Cyst	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 314

TRT#: 7

SEX: Female

DAY ON TEST: 521

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039961

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST Pancreas TGLs = 2-7			Leukemia Mononuclear	
Pituitary Gland	Pars Distalis		Hyperplasia	Focal, Moderate
	Pars Distalis		Leukemia Mononuclear	
Spleen			Leukemia Mononuclear	
Note: LEUKEMIA MONUC Stomach TGLs = 4-6	Forestomach		Edema	Moderate
	Epithelium, Forestomach		Hyperplasia	Mild
Note: HYPERPLASIA Note: EDEMA TGLs = 10-4 TGLs = 10-4				

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 315

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland		Cyst	Moderate
		Hyperplasia	Moderate
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Mild
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Note: CYST	TGLs = 1-8		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 316

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Salivary Glands
Thyroid Gland

Bone
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Skin
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Urinary Bladder

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Glandular
Uterus

OBSERVATIONS

Adrenal Gland
Heart
Kidney

Note: [PIGMENT] TGLs = 2-5
Liver

Cortex

Renal Tubule

Hyperplasia
Inflammation
Nephropathy
Pigmentation

Basophilic Focus
Clear Cell Focus
Hepatodiaphragmatic Nodule
Inflammation

Focal, Mild
Chronic, Mild
Chronic, Mild
Mild

Multiple, Mild
Multiple, Mild
Moderate
Granulomatous, Multiple, Mild

Note: [HDN] TGLs = 1-21
Mammary Gland
Nose
Stomach
Thymus

Submucosa
Epithelium, Forestomach

Hyperplasia
Pigmentation
Hyperplasia
Cyst

Lobular, Mild
Minimal
Moderate
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 8-2]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-8-1			
Note: LEUKEMIA MONUC TGLs = 7-22			
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA TGLs = 1-21			
Note: CYST TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039964

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Acinar Cell	Hyperplasia	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-6-1		
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	
Uterus		Dilatation	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
Note: DILATATION	TGLs = 3-7		
Note: UTERINE MASS NOT FOUND ON RE CUTS			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Salivary Glands
Stomach - Glandular
Uterus

Bone
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Skin
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Spleen
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland
Note: PHEOCHROM MAL TGLs = 2-21

Medulla

Pheochromocytoma Malignant

Heart

Inflammation

Chronic, Mild

Kidney

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

Liver

Basophilic Focus

Multiple, Mild

Bile Duct

Hyperplasia

Minimal

Inflammation

Granulomatous, Multiple, Minimal

Mixed Cell Focus

Minimal

Lung

Alveolus

Pigmentation

Mild

Mammary Gland

Hyperplasia

Lobular, Mild

Nose

Submucosa

Pigmentation

Mild

Ovary

Cyst

Mild

Note: CYST TGLs = 1-7

Pancreas

Acinar Cell

Atrophy

Mild

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Mild

Urinary Bladder

Transit Epithe

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 319

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039966

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	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Minimal
Lung		Inflammation	Granulomatous, Focal, Mild
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Hematopoietic Cell Proliferation	Marked
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Cortex	Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 4-5			
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
Uterus		Dilatation	Moderate
		Polyp Stromal	Multiple

Note: POLYP STROMAL TGLs = 2-7-1,3-7-1

Note: OF A STROMAL POLYP.

Note: CERVICAL MASS-TGL 1-7-1 APPEARS TO BE A NECROTIC SECTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039967

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039968

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	Intestine Small - Jejunum	Islets, Pancreatic	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Clitoral Gland	Lymph Node - Mesenteric
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA	TGLs = 4-22		
Note: HEPATOCLR ADEN	TGLs = 5-23		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-24		
Mammary Gland	Duct	Cyst	Marked
		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039968

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC	TGLs = 1-21	Leukemia Mononuclear	
Note: FIBROADENOMA	TGLs = 1-21		
Note: CYST	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-6-1		
Stomach	Glandular	Erosion	Mild
	Epithelium, Forestomach	Hyperplasia	Mild
	Glandular	Leukemia Mononuclear	
	Forestomach	Ulcer	Mild
	Glandular	Ulcer	Mild
Note: EROSION	TGLs = 8-4-2		
Note: LEUKEMIA MONUC	TGLs = 8-4-2		
Thymus		Leukemia Mononuclear	
Tissue NOS			
Note: TISSUE NOS ON SLIDE 21 IS MAMMARY GL.			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 3-7-1		
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 322

TRT#: 7

SEX: Female

DAY ON TEST: 557

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039969

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	Intestine Small - Jejunum	Islets, Pancreatic	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Cystic, Mild
	Cortex	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-10		
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland	Bilateral	Cyst	Moderate
Heart		Inflammation	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
	Vein	Thrombosis	Moderate
Note: HYPERPLASIA	TGLs = 5-6		
Note: LEUKEMIA MONUC	TGLs = 5-6,6-6		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-2		
Lymph Node	Pancreatic	Angiectasis	Moderate
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 322

TRT#: 7

SEX: Female

DAY ON TEST: 557

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039969

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 8-3

Note: LEUKEMIA MONUC TGLs = 11-22

Mammary Gland

Duct

Cyst

Mild

Nose

Submucosa

Pigmentation

Minimal

Pancreas

Acinar Cell

Atrophy

Mild

Pituitary Gland

Pars Distalis

Cyst

Multiple, Mild

Note: CYST TGLs = 9-1

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-6-1

Stomach

Epithelium, Forestomach

Hyperplasia

Mild

Forestomach

Ulcer

Mild

Note: HYPERPLASIA TGLs = 10-21

Note: ULCER TGLs = 10-21

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039970

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	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Clitoral Gland	Bilateral	Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Angiectasis	Mild
		Eosinophilic Focus	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Minimal
Note: HDN TGLs = 3-21			
Lymph Node	Pancreatic	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 5-7-1			
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA TGLs = 1-8			
Note: CYST TGLs = 1-8			
Nose	Submucosa	Pigmentation	Moderate
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
Spleen		Leukemia Mononuclear	
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Uterus	Cervix	Adenocarcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039970

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOCARC TGLs = 2-22

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 324

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Uterus	

OBSERVATIONS

Bone		Osteopetrosis	Moderate
Clitoral Gland		Adenoma	
	Bilateral	Cyst	Moderate
Note: CYST	TGLs = 1-8		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
Liver		Basophilic Focus	Multiple, Minimal
	Bile Duct	Hyperplasia	Minimal
Mammary Gland	Duct	Cyst	Mild
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 2-21		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
Note: CARCINOMA	TGLs = 3-22		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039972

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	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland	Bilateral	Cyst	Moderate
		Hyperplasia	Mild
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY TGLs = 2-5			
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Angiectasis	Moderate
	Mediastinal	Pigmentation	Moderate
Note: ANGIECTASIS TGLs = 4-3-1			
Note: PIGMENT TGLs = 4-3-1			
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-6-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039972

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic, Moderate
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039973

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	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Heart		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
		Mixed Cell Focus	Mild
Note: HDN TGLs = 3-21			
Mammary Gland	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Mild
Uterus		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 2-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 327

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular	Ovary
Parathyroid Gland	Salivary Glands	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Bilateral, Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS TGLs = 12-28			
Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Cataract	Moderate
		Degeneration	Moderate
[Cataract TGLs = 1-21]			
[Degeneration TGLs = 1-21]			
Heart		Inflammation	Chronic, Moderate
Intestine Small	Wall	Foreign Body	Moderate
	Jejunum	Inflammation	Granulomatous, Marked
	Jejunum	Ulcer	Marked
Note: INFLAMMATION TGLs = 11-27			
Note: ULCER TGLs = 11-27			
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY TGLs = 9-5			
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 327

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039974

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 10-5-1 IS PANCREAS			
Mammary Gland	Duct	Cyst Fibroadenoma Hyperplasia	Moderate Multiple Lobular, Moderate
Note: HYPERPLASIA TGLs = 2-8			
Note: FIBROADENOMA TGLs = 3-22,4-23,5-24			
Note: CYST TGLs = 2-8			
Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy Ectopic Tissue	Moderate Moderate
Note: ECT TISSUE TGLs = 8-26			
Note: ECTOPIC TISSUE IS SPLEEN TGL 8-26			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 13-1]			
Skin	Head, Subcut Tiss	Leukemia Mononuclear	
Spleen		Inflammation Leukemia Mononuclear	Granulomatous, Moderate
Note: INFLAMMATION TGLs = 7-25			
Note: LEUKEMIA MONUC TGLs = 6-6-1,7-25			
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
Tissue NOS			
Note: TGLS 3-22,4-23,5-24 ARE MAMMARY GL.			
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Thymus
Vagina

Bone
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Thyroid Gland

Brain
Intestine Large - Rectum
Islets, Pancreatic
Pituitary Gland
Trachea

Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Skin
Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Bone Marrow
Clitoral Gland
Heart
Kidney

Bilateral, Cortex

Vacuolization Cytoplasmic
Leukemia Mononuclear
Cyst
Inflammation
Nephropathy

Moderate

Moderate
Chronic, Mild
Chronic, Mild

Liver

Renal Tubule

Pigmentation
Hepatodiaphragmatic Nodule
Hyperplasia
Hyperplasia
Leukemia Mononuclear
Vacuolization Cytoplasmic

Mild
Mild
Mild
Nodular, Moderate

Marked

Note: HDN TGLs = 5-21
Note: VACUOLIZ CYTO TGLs = 4-6
Note: HYPERPLASIA TGLs = 4-6
Note: LEUKEMIA MONUC TGLs = 4-6

Lung

Alveolar Epith

Hyperplasia
Squamous Cell Carcinoma

Marked

Note: SQUAM CEL CARC TGLs = 6-2-1

Lymph Node

Mediastinal

Pigmentation

Moderate

Note: PIGMENT TGLs = 7-3-1

Mammary Gland

Duct

Cyst

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039975

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Salivary Glands	Acinar Cell	Hyperplasia	Marked
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1		
Stomach	Forestomach	Edema	Moderate
	Epithelium, Forestomach	Hyperplasia	Moderate
	Glandular	Ulcer	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 329

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039976

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	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Parathyroid Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Minimal
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-6			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-7-1			
Note: LEUKEMIA MONUC TGLs = 6-3-1			
Note: LEUKEMIA MONUC TGLs = 8-5-1			
[Leukemia Mononuclear TGLs = 9-8-1]			
Mammary Gland		Hyperplasia	Lobular, Moderate
Note: HYPERPLASIA TGLs = 1-8			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 3-21			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 329

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039976

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Adenoma	Multiple
	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands	Acinar Cell	Atrophy	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6-1		
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Uterus	Cervix, Myometrium	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 330

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039977

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 - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Clitoral Gland		Cyst	Moderate
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Lymphocyte, Focal, Mild
		[Alveolar/Bronchiolar Adenoma TGLS = 4-2-1]	
		[Infiltration Cellular TGLS = 5-2]	
Lymph Node	Pancreatic	Angiectasis	Mild
	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mandibular	Pigmentation	Mild
Note: PIGMENT	TGLs = 7-8-1		
Note: ANGIECTASIS	TGLs = 8-7-1		
	[Hyperplasia TGLS = 6-3-1]		
Mammary Gland	Duct	Cyst	Mild
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Mild
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 330

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039977

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-6-1

Stomach

Epithelium, Forestomach

Hyperplasia

Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Hyperplasia

Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 331

TRT#: 7

SEX: Female

DAY ON TEST: 500

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mesenteric	Ovary	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Clitoral Gland		Cyst	Moderate
Esophagus		Leukemia Mononuclear	
Eye		Inflammation	Suppurative, Moderate
	Adventitia	Leukemia Mononuclear	
Note: INFLAMMATION TGLs = 6-23			
Note: LEUKEMIA MONUC TGLs = 6-23			
Harderian Gland		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Liver		Basophilic Focus	Multiple, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-21			
Mesentery		Leukemia Mononuclear	
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Marked
Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 7-1]			
Skeletal Muscle		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 331

TRT#: 7

SEX: Female

DAY ON TEST: 500

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039978

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-21,6-23			
Skin	Subcut Tiss	Edema	Mild
	Subcut Tiss	Leukemia Mononuclear	
Note: EDEMA TGLs = 5-8-1,2-21			
Note: LEUKEMIA MONUC TGLs = 5-8-1,6-23			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
Note: HEMA CELL PROL TGLs = 3-6			
Note: LEUKEMIA MONUC TGLs = 3-6			
Thymus	Mediastinum	Edema	Mild
		Leukemia Mononuclear	
Note: EDEMA TGLs = 4-22			
Note: LEUKEMIA MONUC TGLs = 4-22			
Thyroid Gland	C Cell	Hyperplasia	Moderate
		Leukemia Mononuclear	
Tooth			
Note: NO SECTION TAKEN OF TGL 1; OVERGROWN INCISOR TOOTH			

PRIMARY CAUSE OF DEATH

-

Animal Note: LEUKEMIA-ATYPICAL DISTRIBUTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 7

SEX: Female

DAY ON TEST: 663

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Cyst	Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA	TGLs = 5-6-1		
Note: LEUKEMIA MONUC	TGLs = 5-6-1		
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-3		
[Leukemia Mononuclear	TGLs = 1-8-1]		
Mammary Gland	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-6-1,7-21		
Stomach	Forestomach	Edema	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 7

SEX: Female

DAY ON TEST: 663

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039979

ORGAN AND ACCOUNTABLE SITE STATUS

Epithelium, Forestomach

Hyperplasia

Marked

Forestomach

Leukemia Mononuclear

Forestomach

Ulcer

Moderate

Note: ULCER TGLs = 8-22

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 4-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 333

TRT#: 7

SEX: Female

DAY ON TEST: 716

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039980

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	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Brain		Compression	Moderate
[Compression TGLS = 8-1]			
Clitoral Gland	Bilateral	Cyst	Moderate
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY	TGLs = 3-5-1		
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Multiple, Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Focal, Mild
Note: INFILTRAT CELL	TGLs = 6-2-2		
[Alveolar/Bronchiolar Adenoma TGLS = 5-2-1]			
Mammary Gland	Duct	Cyst	Marked
Note: CYST	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
Stomach	Epithelium, Forestomach	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 333	TRT#: 7 DOSE: 0.200%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 716 HISTO: A86039980
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ORGAN AND ACCOUNTABLE SITE STATUS			
	Forestomach	Inflammation	Chronic, Marked
	Forestomach	Ulcer	Moderate
Note: ULCER TGLs = 9-4			
Note: INFLAMMATION TGLs = 9-4			
[Ulcer TGLS = 9-4]			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-7			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 334

TRT#: 7

SEX: Female

DAY ON TEST: 386

DOSE: 0.200%

DISP: Natural Death

HISTO: A86037004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Skin
Thyroid Gland

Bone
Esophagus
Intestine Small - Duodenum
Lung
Ovary
Spleen
Trachea

Bone Marrow
Heart
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Intestine Large
Kidney

Colon
Renal Tubule
Renal Tubule
Bile Duct

Liver

Nose
Pancreas
Pituitary Gland

Submucosa
Acinar Cell
Pars Distalis

[Adenoma TGLS = 3-1]

Thymus
[Congestion TGLS = 2-3]

Uterus
Note: LEIOMYOMA TGLs = 1-7,1-21

Parasite Metazoan
Dilatation
Mineralization
Hyperplasia
Inflammation
Pigmentation
Atrophy
Adenoma

Congestion

Leiomyoma

Mild
Moderate
Mild
Minimal
Granulomatous, Multiple, Minimal
Minimal
Mild

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 335

TRT#: 7

SEX: Female

DAY ON TEST: 613

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039981

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	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland	Bilateral	Cyst	Moderate
		Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 2-8			
Note: CYST TGLs = 2-8			
Heart		Inflammation	Chronic, Mild
Intestine Small	Jejunum, Lymphoid Tiss	Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Note: PIGMENT TGLs = 4-5-1			
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: EOSIN FOCUS TGLs = 8-6-1			
Note: HYPERPLASIA TGLs = 8-6-1			
Note: LEUKEMIA MONUC TGLs = 8-6-1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 335

TRT#: 7

SEX: Female

DAY ON TEST: 613

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039981

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 7-5 Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8 Nose	Submucosa	Pigmentation	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-6 Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 7

SEX: Female

DAY ON TEST: 647

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Vagina			

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Angiectasis	Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-3-1		
Note: ANGIECTASIS	TGLs = 5-3-1		
Note: LEUKEMIA MONUC	TGLs = 6-7-2		
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6-1		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 7

DOSE: 0.200%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 647

HISTO: A86039982

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus

Leukemia Mononuclear

Tissue NOS

Note: TISSUE NOS-TGL 1 ON SLIDE 21 IS MAMMARY GL.

Uterus

Hyperplasia

Glandular, Mild

Leukemia Mononuclear

Sarcoma Stromal

Note: SARC STROMAL TGLs = 2-22,2-22-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 7

SEX: Female

DAY ON TEST: 604

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039983

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 - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Brain		Compression	Marked
[Compression TGLS = 8-1]			
Clitoral Gland	Bilateral	Cyst	Mild
Note: INFLAMMATION TGLs = 3-8		Inflammation	Suppurative, Moderate
Heart		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 5-5		Pigmentation	Mild
Liver		Inflammation	Granulomatous, Multiple, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 10-3-1	Pancreatic	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 11-7-1	Mandibular	Pigmentation	Mild
Note: PIGMENT TGLs = 9-8-1			
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 2-8			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 7

SEX: Female

DAY ON TEST: 604

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039983

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Hyperkeratosis	Moderate
	Epidermis	Hyperplasia	Moderate
Note: TGL-1-21 IS TAIL			
Note: HYPERKERATOSIS TGLs = 1-21			
Note: HYPERPLASIA TGLs = 1-21			
Stomach	Epithelium, Forestomach	Hyperplasia	Marked
	Forestomach	Inflammation	Chronic, Marked
	Forestomach	Ulcer	Marked
Note: ULCER TGLs = 6-4-1			
Note: HYPERPLASIA TGLs = 6-4-1			
Note: INFLAMMATION TGLs = 6-4-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 338

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039984

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
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Granulomatous, Focal, Mild
Lymph Node	Mediastinal	Angiectasis	Moderate
Mammary Gland	Duct	Cyst	Moderate
		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-21,2-22		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 3-1		
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 4-4-2		
Tissue NOS			
Note: TGL 1-21 & 2-22 ARE MAMMARY GLAND.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 339

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Parathyroid Gland
Trachea

Bone
Intestine Large - Colon
Intestine Small - Jejunum
Salivary Glands
Urinary Bladder

Brain
Intestine Large - Rectum
Islets, Pancreatic
Skin

Esophagus
Intestine Small - Duodenum
Pancreas
Stomach - Forestomach

MISSING

Thymus

OBSERVATIONS

Adrenal Gland
Bone Marrow
Clitoral Gland

Bilateral, Cortex

Vacuolization Cytoplasmic
Leukemia Mononuclear
Adenoma
Cyst

Mild

Heart
Kidney

Leukemia Mononuclear
Leukemia Mononuclear
Nephropathy
Pigmentation

Moderate

Renal Tubule

Chronic, Mild
Minimal

Note: [LEUKEMIA MONUC] TGLs = 7-5
Liver

Hepatocellular Adenoma
Hyperplasia
Hyperplasia
Leukemia Mononuclear

Moderate
Nodular, Moderate

Bile Duct

Note: [HYPERPLASIA] TGLs = 6-6
Note: [LEUKEMIA MONUC] TGLs = 6-6

Lung
Lymph Node

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Axillary
Inguinal
Mandibular
Mediastinal
Mesenteric
Pancreatic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 339

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039985

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LEUKEMIA MONUC] TGLs = 3-22

Note: [LEUKEMIA MONUC] TGLs = 8-23

Note: [LEUKEMIA MONUC] TGLs = 2-21

[Leukemia Mononuclear TGLS = 4-8-1]

Mammary Gland

Hyperplasia

Lobular, Moderate

Nose

Submucosa

Pigmentation

Mild

Ovary

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Cyst

Mild

[Cyst TGLS = 10-1]

Spleen

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 5-6-1

Stomach

Glandular

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 9-4-2

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

Uterus

Fibrosis

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Pancreas
Thymus

Bone
Intestine Large - Colon
Intestine Small - Jejunum
Salivary Glands
Thyroid Gland

Brain
Intestine Large - Rectum
Islets, Pancreatic
Skin
Trachea

Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Stomach - Glandular
Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Bone Marrow
Clitoral Gland

Cortex
Cortex

Hyperplasia
Vacuolization Cytoplasmic
Leukemia Mononuclear
Cyst
Hyperplasia
Inflammation
Nephropathy
Pigmentation
Hepatodiaphragmatic Nodule
Hyperplasia
Hyperplasia
Leukemia Mononuclear

Focal, Moderate
Focal, Mild
Moderate
Moderate
Chronic, Mild
Chronic, Moderate
Mild
Moderate
Mild
Nodular, Moderate

Note: LEUKEMIA MONUC TGLs = 7-6

Note: HYPERPLASIA TGLs = 7-6

Note: HDN TGLs = 6-23

Lung
Lymph Node
Mammary Gland
Nose
Ovary

Mesenteric
Mediastinal
Mesenteric
Duct
Submucosa

Leukemia Mononuclear
Hemorrhage
Leukemia Mononuclear
Leukemia Mononuclear
Cyst
Pigmentation
Cyst

Moderate
Moderate
Moderate
Mild
Multiple, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039986

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST	TGLs = 1-7,2-7			
Pituitary Gland		Pars Distalis	Angiectasis	Mild
		Pars Distalis	Cyst	Multiple, Mild
		Pars Distalis	Hyperplasia	Moderate
Spleen			Fibrosis	Mild
			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1,4-21			
Note: FIBROSIS	TGLs = 5-22			
Stomach		Epithelium, Forestomach	Hyperplasia	Moderate
		Forestomach	Inflammation	Chronic, Mild
Uterus			Dilatation	Mild
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 341

TRT#: 7

SEX: Female

DAY ON TEST: 655

DOSE: 0.200%

DISP: Natural Death

HISTO: A86039987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Heart	Intestine Small - Duodenum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Clitoral Gland	Bilateral	Cyst	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Necrosis	Moderate
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mesenteric	Inflammation	Chronic, Marked
Note: HEMORRHAGE TGLs = 9-3			
Note: INFLAMMATION TGLs = 4-21			
Mesentery		Inflammation	Chronic, Marked
Nose	Submucosa	Pigmentation	Minimal
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-6			
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Uterus	Cervix	Hemorrhage	Marked
Note: HEMORRHAGE TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 342

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039988

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
Parathyroid Gland
Stomach - Glandular
Uterus

Brain
Intestine Large - Rectum
Islets, Pancreatic
Salivary Glands
Thymus

Esophagus
Intestine Small - Duodenum
Ovary
Skin
Thyroid Gland

OBSERVATIONS

Adrenal Gland
Bone
 Note: HYPEROSTOSIS TGLs = 4-22
Clitoral Gland
 Note: CYST TGLs = 1-8
Heart
Kidney
 Note: NEPHROPATHY TGLs = 2-5-1
Liver

Lung
Lymph Node

Mammary Gland

Nose
Pituitary Gland
Spleen
Urinary Bladder
 Note: PAPHILOMA TGLs = 5-23

Cortex
Calvarium

Renal Tubule

Bile Duct

Mesenteric
Mandibular
Duct

Submucosa
Pars Distalis

Transit Epithe

Accessory Adrenal Cortical Nodule
Hyperostosis

Cyst

Inflammation
Nephropathy
Pigmentation

Basophilic Focus
Hyperplasia
Inflammation
Leukemia Mononuclear
Infiltration Cellular
Hyperplasia
Leukemia Mononuclear
Cyst
Hyperplasia
Pigmentation
Cyst
Leukemia Mononuclear
Papilloma

Mild
Moderate

Moderate

Chronic, Moderate
Chronic, Moderate
Mild

Multiple, Mild
Mild
Granulomatous, Multiple, Mild

Histiocyte, Focal, Mild
Lymphoid, Moderate

Mild
Lobular, Mild
Mild
Multiple, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 342

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039988

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland

Carcinoma

Inflammation

Suppurative, Marked

Note: INFLAMMATION TGLs = 3-21

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 343

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Ileum
Lymph Node - Mesenteric
Salivary Glands
Thymus

Bone
Intestine Large - Cecum
Intestine Small - Jejunum
Ovary
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Colon
Islets, Pancreatic
Pancreas
Spleen
Trachea

OBSERVATIONS

Clitoral Gland

Bilateral

Cyst
Hyperplasia
Inflammation

Moderate
Moderate
Suppurative, Moderate

Note: INFLAMMATION TGLs = 1-8

Note: HYPERPLASIA TGLs = 1-8

Note: CYST TGLs = 1-8

Heart

Inflammation

Chronic, Mild

Intestine Large

Rectum

Parasite Metazoan

Mild

Kidney

Nephropathy

Chronic, Mild

Liver

Renal Tubule

Pigmentation
Basophilic Focus
Eosinophilic Focus
Hepatodiaphragmatic Nodule
Inflammation

Mild
Multiple, Mild
Mild
Mild
Granulomatous, Multiple, Minimal

Note: HDN TGLs = 4-21

Lung

Infiltration Cellular
Inflammation

Histiocyte, Multiple, Moderate
Granulomatous, Focal, Moderate

Note: INFILTRAT CELL TGLs = 2-2-1

[Inflammation TGLS = 2-2-1]

Mammary Gland

Duct

Cyst
Hyperplasia
Pigmentation

Mild
Lobular, Mild
Mild

Nose

Submucosa

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 343	TRT#: 7 DOSE: 0.200%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO: A86039989
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ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 344

TRT#: 7

SEX: Female

DAY ON TEST: 687

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Necrosis	Moderate
	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Mild
Note: NECROSIS TGLs = 3-5-2			
Liver	Bile Duct	Eosinophilic Focus	Moderate
		Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	Mild
Note: HYPERPLASIA TGLs = 4-6,5-23			
Note: LEUKEMIA MONUC TGLs = 4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3			
[Leukemia Mononuclear TGLS = 2-22]			
Mammary Gland	Duct	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:44
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 344	TRT#: 7 DOSE: 0.200%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 687 HISTO: A86039990
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ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery Note: NECROSIS TGLs = 1-21	Fat	Necrosis	Focal, Moderate
Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Thymus	Mediastinum	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 345

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039991

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	Intestine Small - Jejunum	Islets, Pancreatic	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Cyst	Mild
Note: CYST TGLs = 7-8			
Heart		Inflammation	Chronic, Moderate
Kidney	Renal Tubule	Nephropathy	Chronic, Mild
Note: NEPHROPATHY TGLs = 4-5-1		Pigmentation	Mild
Liver	Bile Duct	Basophilic Focus	Multiple, Mild
		Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
Note: HYPERPLASIA TGLs = 5-6-1		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-6-1			
Lung	Mandibular	Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3			
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Moderate
Note: CYST TGLs = 1-21			
Note: HYPERPLASIA TGLs = 1-21			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 345

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039991

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Submucosa	Pigmentation	Mild
Spleen Note: LEUKEMIA MONUC TGLs = 3-6		Leukemia Mononuclear	
Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Hyperplasia	Glandular, Moderate
Note: HYPERPLASIA TGLs = 2-7			
Note: HYPERPLASIA TGLs = 2-7			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 346

TRT#: 7

SEX: Female

DAY ON TEST: 722

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Skin	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Note: LEUKEMIA MONUC	TGLs = 9-10		
Note: LEUKEMIA MONUC	TGLs = 9-10		
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Multiple, Mild
[Hemorrhage TGLS = 14-1]			
Clitoral Gland		Carcinoma	
	Bilateral	Cyst	Moderate
		Leukemia Mononuclear	
Note: CARCINOMA	TGLs = 2-8		
Note: CYST	TGLs = 2-8		
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
Note: HYPERPLASIA	TGLs = 10-6		
Note: LEUKEMIA MONUC	TGLs = 10-6		
Note: VACUOLIZ CYTO	TGLs = 10-6		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 346

TRT#: 7

SEX: Female

DAY ON TEST: 722

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039992

ORGAN AND ACCOUNTABLE SITE STATUS

Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Angiectasis	Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 12-23,12-23.1		
Note: LEUKEMIA MONUC	TGLs = 13-3-1		
Note: LEUKEMIA MONUC	TGLs = 7-21		
Note: ANGIECTASIS	TGLs = 7-21		
Mammary Gland	Duct	Cyst	Moderate
Note: CYST	TGLs = 3-8		
Nose	Submucosa	Pigmentation	Mild
Ovary	Bilateral	Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Leukemia Mononuclear	
[Adenoma TGLS = 15-1-1]			
Salivary Glands		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-6-1		
Note: MASS TGL 8-22 NOT FOUND IN WET TISSUE			
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
	Glandular	Leukemia Mononuclear	
Uterus	Cervix, Myometrium	Hyperplasia	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
		Leukemia Mononuclear	
Note: HYPERPLASIA	TGLs = 5-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039993

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	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Clitoral Gland	Bilateral	Cyst	Mild
		Hyperplasia	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Minimal
	Bile Duct	Hyperplasia	Minimal
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 3-4			
Urinary Bladder		Hemorrhage	Focal, Mild
	Transit Epithe	Hyperplasia	Minimal
Note: HEMORRHAGE TGLs = 4-21			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039994

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	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Adrenal Gland - Medulla	Clitoral Gland
-------------------------	----------------

OBSERVATIONS

Adrenal Gland	Cortex	Cyst	Moderate
	Cortex	Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Moderate
		Clear Cell Focus	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Note: HDN TGLs = 2-22,3-23			
Lung		Infiltration Cellular	Histiocyte, Multiple, Moderate
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Tissue NOS			

Note: TGL 1 ON SLIDE 21 IS MAMMARY GL.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039994

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Thymus

Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thyroid Gland

Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Trachea

OBSERVATIONS

Adrenal Gland
Bone
 Note: HYPEROSTOSIS TGLs = 7-24
Brain
 [Compression TGLS = 9-1-1]
Heart
Kidney
 Note: NEPHROPATHY TGLs = 5-5
Liver

Cortex
Calvarium

Renal Tubule

Vacuolization Cytoplasmic
Hyperostosis

Compression

Inflammation
Nephropathy
Pigmentation

Basophilic Focus
Eosinophilic Focus
Hepatodiaphragmatic Nodule
Inflammation

Focal, Minimal
Mild

Moderate

Chronic, Mild
Chronic, Moderate
Mild

Minimal
Minimal
Mild
Granulomatous, Multiple, Minimal

 Note: HDN TGLs = 6-23
Mammary Gland

 Note: FIBROADENOMA TGLs = 2-21
 Note: CYST TGLs = 1-8
Mesentery
 Note: NECROSIS TGLs = 3-22
Nose
Pituitary Gland

Duct

Fat

Submucosa
Pars Distalis

Cyst
Fibroadenoma

Necrosis

Pigmentation
Adenoma

Moderate

Focal, Moderate

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.200%

DISP: Terminal Sacrifice

HISTO: A86039995

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-1]

Stomach	Forestomach	Edema	Mild
	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic, Moderate
	Forestomach	Squamous Cell Carcinoma	
	Forestomach	Ulcer	Moderate
Tissue NOS			
Note: TGL 2-21 IS MAMMARY GL.			
Uterus		Dilatation	Moderate
Note: DILATATION TGLs = 4-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 350

TRT#: 7

SEX: Female

DAY ON TEST: 631

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Vagina		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Note: LEUKEMIA MONUC	TGLs = 9-10		
Note: LEUKEMIA MONUC	TGLs = 9-10		
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: HYPERPLASIA	TGLs = 10-6		
Note: LEUKEMIA MONUC	TGLs = 10-6		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-8-1		
Note: LEUKEMIA MONUC	TGLs = 11-3		
Note: LEUKEMIA MONUC	TGLs = 7-22		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 350

TRT#: 7

SEX: Female

DAY ON TEST: 631

DOSE: 0.200%

DISP: Moribund Sacrifice

HISTO: A86039996

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland Note: CYST TGLs = 1-8	Duct	Cyst	Moderate
Mesentery Note: NECROSIS TGLs = 5-21	Fat	Necrosis	Focal, Moderate
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis Pars Distalis	Hyperplasia Leukemia Mononuclear	Moderate
Spleen Note: LEUKEMIA MONUC TGLs = 8-6-1		Leukemia Mononuclear	
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037005

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	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Liver		Basophilic Focus	Minimal
		Mixed Cell Focus	Minimal
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Minimal
Spleen		Pigmentation	Mild
Uterus		Dilatation	Moderate
		Polyp Stromal	
Note: DILATATION	TGLs = 2-7		
Note: POLYP STROMAL	TGLs = 3-22		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Kidney	Renal Tubule	Dilatation	Mild
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
Mesentery	Fat	Inflammation	Granulomatous, Focal, Moderate
Note: INFLAMMATION TGLs = 1-21			
Nose	Submucosa	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Kidney

Renal Tubule
Renal Tubule

Dilatation
Mineralization

Mild
Mild

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Minimal

Nose

Submucosa

Pigmentation

Minimal

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Trachea

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Uterus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thymus

OBSERVATIONS

Heart
Kidney

Note: NEPHROPATHY TGLs = 2-5
Note: DILATATION TGLs = 2-5
[Nephropathy TGLS = 2-5]

Renal Tubule
Renal Tubule

Inflammation
Dilatation
Mineralization
Nephropathy

Chronic, Mild
Mild
Minimal
Chronic, Mild

Liver

Mesentery

Note: INFLAMMATION TGLs = 1-21
Note: NECROSIS TGLs = 1-21

Bile Duct

Fat
Fat

Hyperplasia
Inflammation
Inflammation
Necrosis

Minimal
Granulomatous, Multiple, Minimal
Granulomatous, Focal, Moderate
Focal, Moderate

Nose
Thyroid Gland

Submucosa
C Cell

Pigmentation
Carcinoma

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Small - Duodenum
Lung
Ovary
Skin
Thymus
Uterus

Bone
Esophagus
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Heart
Intestine Large
Kidney
Liver
Mesentery
Note: INFLAMMATION TGLs = 2-21
Nose
Pituitary Gland
[Cyst TGLS = 3-1]

Colon
Renal Tubule
Fat
Submucosa
Pars Intermed

Inflammation
Parasite Metazoan
Mineralization
Inflammation
Inflammation
Pigmentation
Cyst

Chronic, Minimal
Mild
Minimal
Granulomatous, Multiple, Minimal
Granulomatous, Focal, Mild
Minimal
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037010

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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1-8			
Kidney	Renal Tubule	Dilatation	Mild
	Renal Tubule	Mineralization	Mild
		Nephropathy	Chronic, Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Nose	Submucosa	Pigmentation	Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Lung
Ovary
Skin
Thymus
Uterus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

OBSERVATIONS

Clitoral Gland
Note: CYST TGLs = 2-8,3-8
Kidney

Liver
Nose
Pituitary Gland

Renal Tubule

Submucosa
Pars Distalis

Cyst

Dilatation
Nephropathy
Necrosis
Pigmentation
Cyst

Marked

Minimal
Chronic, Minimal
Minimal
Minimal
Multiple, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037012

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	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Kidney	Renal Tubule	Dilatation	Minimal
Liver		Basophilic Focus	Multiple, Minimal
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Minimal
Note: HDN TGLs = 2-22			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	Multiple
Note: ADENOMA TGLs = 3-1			
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 1-21			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:44

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 0.200% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Bone
Heart
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Uterus

OBSERVATIONS

Clitoral Gland
Note: HYPERPLASIA TGLs = 1-8
Kidney
Liver
Nose

Renal Tubule
Renal Tubule
Bile Duct
Submucosa

Hyperplasia
Dilatation
Mineralization
Hyperplasia
Inflammation
Pigmentation

Moderate
Mild
Mild
Minimal
Granulomatous, Multiple, Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 407

DOSE: 0.200% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86037014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Kidney	Renal Tubule	Dilatation	Mild
	Renal Tubule	Mineralization	Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-21		
Note: LEUKEMIA MONUC	TGLs = 5-3		
Note: LEUKEMIA MONUC	TGLs = 4-22		
Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 6-1		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-6		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 361

TRT#: 11

SEX: Female

DAY ON TEST: 536

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Salivary Glands
Thymus
Uterus

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lung
Pancreas
Skin
Thyroid Gland

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Trachea

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Brain
Clitoral Gland
Kidney

Liver

Mammary Gland
Note: ADENOCARC TGLs = 1-21
Nose
Stomach

Tissue NOS
Note: TGL 1-21 IS MAMMARY GLAND

Renal Tubule
Renal Tubule

Submucosa
Forestomach
Epithelium, Forestomach

Sarcoma
Cyst
Mineralization
Pigmentation
Basophilic Focus
Inflammation
Adenocarcinoma

Pigmentation
Edema
Hyperplasia

Mild
Mild
Minimal
Multiple, Mild
Granulomatous, Multiple, Mild

Minimal
Mild
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 362

TRT#: 11

SEX: Female

DAY ON TEST: 610

DOSE: 0.0666%

DISP: Natural Death

HISTO: A86040643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Lung
Parathyroid Gland
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Salivary Glands
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Skin
Trachea

OBSERVATIONS

Heart
Islets, Pancreatic
 Note: CARCINOMA TGLs = 3-22
Kidney
Liver

Lymph Node

 Note: HYPERPLASIA TGLs = 7-7-2
 Note: ANGIECTASIS TGLs = 6-3-1
Mammary Gland
 Note: CYST TGLs = 1-8
Nose
Pancreas
Pituitary Gland
 Note: ADENOMA TGLs = 5-1
Spleen
Stomach
 Note: EROSION TGLs = 8-4-1
Uterus

Bile Duct

Mediastinal
Pancreatic

Duct

Submucosa
Acinar Cell
Pars Distalis

Glandular

Endometrium

Inflammation
Carcinoma

Nephropathy
Eosinophilic Focus
Hyperplasia
Inflammation
Angiectasis
Hyperplasia

Cyst

Pigmentation
Atrophy
Adenoma

Hematopoietic Cell Proliferation
Erosion

Hyperplasia
Polyp Stromal

Chronic, Mild

Chronic, Mild
Mild
Minimal
Granulomatous, Multiple, Minimal
Mild
Lymphoid, Mild

Mild

Mild

Mild
Mild

Mild
Mild

Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 362

TRT#: 11

SEX: Female

DAY ON TEST: 610

DOSE: 0.0666%

DISP: Natural Death

HISTO: A86040643

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYP STROMAL TGLs = 2-21

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 11

SEX: Female

DAY ON TEST: 729

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040644

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	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Cortex	Hyperplasia	Focal, Multiple, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland		Cyst	Mild
Note: CYST	TGLs = 2-8-2		
Heart		Inflammation	Chronic, Mild
Kidney		Infarct	Multiple, Moderate
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: INFARCT	TGLs = 4-21,5-22		
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA	TGLs = 1-8		
Note: CYST	TGLs = 1-8		
Nose	Submucosa	Pigmentation	Mild
Ovary		Cyst	Moderate
Note: CYST	TGLs = 3-7		
Pancreas	Acinar Cell	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 11

SEX: Female

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040644

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 11

SEX: Female

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040645

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Cortex	Hypertrophy	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Moderate
Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 5-5			
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Multiple, Moderate
		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Granulomatous, Multiple, Minimal
Note: EOSIN FOCUS TGLs = 6-23			
Note: HDN TGLs = 6-23			
Mammary Gland	Duct	Cyst	Moderate
		Fibroadenoma	Multiple
		Hyperplasia	Lobular, Moderate
Note: HYPERPLASIA TGLs = 3-8			
Note: CYST TGLs = 3-8			
Note: FIBROADENOMA TGLs = 1-21,2-22			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 11

SEX: Female

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040645

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Follicular Cel

Carcinoma

Inflammation

Suppurative, Moderate

Tissue NOS

Note: TGL 1-21 AND 2-22 ARE MAMMARY GLAND

Uterus

Dilatation

Moderate

Polyp Stromal

Note: DILATATION TGLs = 4-7

Note: POLYP STROMAL TGLs = 4-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 365

TRT#: 11

SEX: Female

DAY ON TEST: 658

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040646

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	Ovary
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Brain		Compression	Moderate
[Compression TGLs = 9-1]			
Clitoral Gland		Adenoma	
		Carcinoma	
		Cyst	Moderate
Note: CARCINOMA TGLs = 4-22			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY TGLs = 6-5			
Liver		Basophilic Focus	Multiple, Mild
		Vacuolization Cytoplasmic	Mild
Mammary Gland		Adenocarcinoma	
	Duct	Cyst	Moderate
Note: ADENOCARC TGLs = 3-21			
Note: CYST TGLs = 2-8			
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 5-23			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Moderate
Pharynx	Palate	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 7-9-1			
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 365

TRT#: 11

SEX: Female

DAY ON TEST: 658

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040646

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-1-1]

Skin	Nipple	Hyperkeratosis	Moderate
Note: HYPERKERATOSIS TGLs = 1-8			
Stomach	Forestomach	Edema	Mild
	Epithelium, Forestomach	Hyperplasia	Marked
	Forestomach	Inflammation	Chronic, Marked
	Forestomach	Ulcer	Multiple, Moderate
Note: ULCER TGLs = 10-4-1			
[Inflammation TGLS = 10-4-1]			
[Ulcer TGLS = 10-4-1]			
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 366

TRT#: 11

SEX: Female

DAY ON TEST: 589

DOSE: 0.0666%

DISP: Natural Death

HISTO: A86040647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Clitoral Gland	Esophagus	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

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	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS TGLs = 7-22			
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6-1			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2-1]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-21			
[Leukemia Mononuclear TGLS = 5-3]			
Mammary Gland		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA TGLs = 1-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 366

TRT#: 11

SEX: Female

DAY ON TEST: 589

DOSE: 0.0666%

DISP: Natural Death

HISTO: A86040647

ORGAN AND ACCOUNTABLE SITE STATUS

Nose

Submucosa

Pigmentation

Minimal

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 367

TRT#: 11

SEX: Female

DAY ON TEST: 729

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Thymus

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Ovary
Skin
Trachea

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Urinary Bladder

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular

OBSERVATIONS

Clitoral Gland
Note: CARCINOMA TGLs = 1-8-2

Bilateral

Carcinoma

Heart
Kidney

Inflammation
Nephropathy
Pigmentation

Chronic, Mild
Chronic, Mild
Mild

Liver

Renal Tubule

Basophilic Focus
Inflammation

Multiple, Mild
Granulomatous, Multiple, Minimal

Nose
Pituitary Gland
Stomach
Thyroid Gland
Uterus

Submucosa
Pars Distalis
Epithelium, Forestomach
C Cell

Pigmentation
Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular

Mild
Focal, Mild
Minimal
Mild
Lipocyte, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 368

TRT#: 11

SEX: Female

DAY ON TEST: 729

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Calvarium	Hyperostosis	Moderate
		Osteopetrosis	Moderate
Note: OSTEOPETROSIS - FEMUR			
Note: HYPEROSTOSIS TGLs = 2-21			
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Moderate
Kidney	Pelvis	Dilatation	Mild
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Note: DILATATION TGLs = 1-5-1			
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
		Mixed Cell Focus	Mild
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 11

SEX: Female

DAY ON TEST: 729

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040650

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 - Mesenteric	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Note: HDN TGLs = 6-24			
Lung	Alveolar Epith	Hyperplasia	Moderate
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 2-22			
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-21			
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 3-23			
Nose	Submucosa	Pigmentation	Mild
Ovary	Bilateral	Cyst	Moderate
Note: CYST TGLs = 4-7-1,5-7-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 11

SEX: Female

DAY ON TEST: 729

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040650

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

Tissue NOS

Note: TGL 1-21 IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 370

TRT#: 11

SEX: Female

DAY ON TEST: 719

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040651

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	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow	Erythroid Cell	Hyperplasia	Moderate
Clitoral Gland		Cyst	Moderate
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
Note: NEPHROPATHY	TGLs = 4-5-1	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
Mammary Gland		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA	TGLs = 1-8		
Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Edema	Mild
	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Inflammation	Suppurative, Mild
	Glandular	Mineralization	Mild
Uterus		Sarcoma Stromal	
Note: SARC STROMAL	TGLs = 2-7-2,2-7-3		
Vagina		Polyp	
Note: POLYP	TGLs = 3-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 371

TRT#: 11

SEX: Female

DAY ON TEST: 630

DOSE: 0.06666%

DISP: Natural Death

HISTO: A86040652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Small - Duodenum	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Brain		Compression	Moderate
		Hemorrhage	Mild
Note: COMPRESSION	TGLs = 6-1-1		
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
Note: CONGESTION	TGLs = 2-2		
Lymph Node	Mediastinal	Hemorrhage	Marked
Note: HEMORRHAGE	TGLs = 4-3		
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Note: CYST	TGLs = 1-8		
Note: HYPERPLASIA	TGLs = 1-8		
Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 371

TRT#: 11

SEX: Female

DAY ON TEST: 630

DOSE: 0.0666%

DISP: Natural Death

HISTO: A86040652

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 5-1 [Adenoma TGLS = 5-1]	Pars Intermed	Cyst	Moderate
Spleen		Atrophy Pigmentation	Moderate Moderate
Thyroid Gland Note: ADENOMA TGLs = 3-3	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 372

TRT#: 11

SEX: Female

DAY ON TEST: 416

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86037026

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	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tissue NOS
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Clitoral Gland		Cyst	Moderate
Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
Note: HDN	TGLs = 3-22		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-21		
Note: TISSUE NOS IS MAMMARY GLAND FIBROADENOMA.			
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
Note: HEMA CELL PROL	TGLs = 2-6		
Note: PIGMENT	TGLs = 2-6		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 373

TRT#: 11

SEX: Female

DAY ON TEST: 730

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040653

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	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Clitoral Gland	Bilateral	Cyst	Moderate
Heart		Inflammation	Chronic, Mild
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney	Renal Tubule	Nephropathy	Chronic, Moderate
Liver	Bile Duct	Pigmentation	Mild
		Basophilic Focus	Multiple, Mild
Lung		Hyperplasia	Mild
Note: ALV BRON ADEN		Alveolar/Bronchiolar Adenoma	
TGLs = 3-2			
Lymph Node	Mediastinal	Angiectasis	Moderate
Note: ANGIECTASIS			
TGLs = 4-3			
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
		Hyperplasia	Lobular, Mild
Note: CYST			
TGLs = 1-21			
Note: FIBROADENOMA			
TGLs = 2-22			
Note: HYPERPLASIA			
TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Forestomach	Edema	Mild
	Epithelium, Forestomach	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 373

TRT#: 11

SEX: Female

DAY ON TEST: 730

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040653

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS

Note: TGL 2-22 IS MAMMARY GL.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 374

TRT#: 11

SEX: Female

DAY ON TEST: 302

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86037027

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 - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Clitoral Gland		Cyst	Moderate
Note: CYST TGLs = 6-8			
Kidney	Renal Tubule	Mineralization	Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6			
Lung		Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
Note: CYST TGLs = 1-8			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 375

TRT#: 11

SEX: Female

DAY ON TEST: 646

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040654

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	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Cyst	Moderate
Note: CYST	TGLs = 6-8-2		
Heart		Inflammation	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Moderate
Note: CYST	TGLs = 1-8		
Nose	Submucosa	Pigmentation	Minimal
Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
	Pars Distalis	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 375

TRT#: 11

SEX: Female

DAY ON TEST: 646

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040654

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 3-6
Thyroid Gland
Uterus

Ultimobranchial Cyst
Hyperplasia
Sarcoma Stromal

Mild
Glandular, Moderate

Note: SARC STROMAL TGLs = 4-7-1

Note: HYPERPLASIA TGLs = 4-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 11

SEX: Female

DAY ON TEST: 730

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040655

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
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland	Bilateral	Cyst	Moderate
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	Multiple
		Hyperplasia	Lobular, Mild
Note: FIBROADENOMA TGLs = 1-21,2-22,2-22-1			
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 3-23			
Nose	Submucosa	Pigmentation	Mild
Tissue NOS			
Note: TGL 2-22,2-22-1 ARE MAMMARY GL.			
Uterus	Cervix	Leiomyosarcoma	
Note: LEIOMYOSAR TGLs = 4-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 377

TRT#: 11

SEX: Female

DAY ON TEST: 459

DOSE: 0.06666%

DISP: Natural Death

HISTO: A86040656

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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Clitoral Gland	Bilateral	Cyst	Moderate
Kidney	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Mild
Liver		Necrosis	Marked
		Sarcoma Stromal	Metastatic (Uterus)
Note: NECROSIS TGLs = 8-24 [Necrosis TGLS = 8-24]			
Lymph Node	Mediastinal	Angiectasis	Marked
	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
Note: INFILTRAT CELL TGLs = 10-3 Note: ANGIECTASIS TGLs = 10-3			
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: CYST TGLs = 1-8 Note: FIBROADENOMA TGLs = 2-21			
Mesentery	Fat	Sarcoma Stromal	Metastatic (Uterus)
Note: SARC STROMAL TGLs = 7-23			
Nose	Submucosa	Pigmentation	Mild
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 6-6			
Tissue NOS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 377

TRT#: 11

SEX: Female

DAY ON TEST: 459

DOSE: 0.0666%

DISP: Natural Death

HISTO: A86040656

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 2-21 IS MAMMARY GL.

Uterus

Sarcoma Stromal

Note: SARC STROMAL TGLs = 5-22

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 11

SEX: Female

DAY ON TEST: 695

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040657

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	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Compression	Marked
[Compression TGLS = 8-1]			
Clitoral Gland		Cyst	Mild
Note: CYST TGLs = 1-8			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Mammary Gland	Duct	Cyst	Mild
Note: CYST TGLs = 2-8			
Mesentery	Fat	Necrosis	Focal, Multiple, Mild
Note: NECROSIS TGLs = 3-21,4-22			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1-1]			
Stomach	Forestomach	Edema	Mild
	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic, Moderate
	Forestomach	Ulcer	Multiple, Moderate
[Hyperplasia TGLS = 5-4-1]			
[Inflammation TGLS = 5-4-1]			
[Ulcer TGLS = 5-4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 11

SEX: Female

DAY ON TEST: 695

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040657

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 11

SEX: Female

DAY ON TEST: 716

DOSE: 0.0666%

DISP: Natural Death

HISTO: A86040658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Lung
Pancreas
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Intestine Small - Duodenum
Lymph Node - Mandibular
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone
Intestine Small - Jejunum
Lymph Node - Mesenteric
Skin
Thymus
Uterus

Bone Marrow
Islets, Pancreatic
Ovary
Spleen
Thyroid Gland

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Ileum

OBSERVATIONS

Brain
[Compression TGLS = 4-1]
Clitoral Gland
Heart
Kidney

Liver

Note: MIXED CL FOCUS TGLs = 2-21
Mammary Gland
Note: CYST TGLs = 1-8-2
Nose
Pituitary Gland
[Adenoma TGLS = 3-1-1]

Renal Tubule
Bile Duct

Duct

Submucosa
Pars Distalis

Compression

Adenoma
Inflammation
Nephropathy
Pigmentation
Basophilic Focus
Hyperplasia
Mixed Cell Focus

Cyst

Pigmentation
Adenoma

Moderate

Chronic, Mild
Chronic, Mild
Minimal
Multiple, Moderate
Mild
Mild

Moderate

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 380

TRT#: 11

SEX: Female

DAY ON TEST: 730

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040639

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	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Cortex	Hypertrophy	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-7-1			
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-21			
Note: CYST TGLs = 2-8			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 380

TRT#: 11

SEX: Female

DAY ON TEST: 730

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040639

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 4-6-1

Tissue NOS

Note: TGL 1-21 IS MAMMARY GL.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 11

SEX: Female

DAY ON TEST: 730

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040659

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	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Lobular, Mild
Note: FIBROADENOMA TGLs = 1-21			
Nose	Submucosa	Pigmentation	Minimal
Pancreas	Acinar Cell	Atrophy	Mild
Pharynx	Epithelium, Palate	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	
Tissue NOS			
Note: TGL 1-21 IS MAMMARY GLAND.			
Uterus		Dilatation	Marked
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 3-7-1			
Note: DILATATION TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 382

TRT#: 11

SEX: Female

DAY ON TEST: 730

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Clitoral Gland		Inflammation	Suppurative, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Mild
Liver	Bile Duct	Basophilic Focus	Multiple, Mild
		Hyperplasia	Mild
Mammary Gland		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild
Ovary		Cyst	Marked
Note: CYST TGLs = 2-7-1			
Salivary Glands		Infiltration Cellular	Lipocyte, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TISSUE PROCESSING QUALITY-POOR.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 11

SEX: Female

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS	TGLs = 8-23		
Brain		Compression	Mild
Note: COMPRESSION	TGLs = 7-1		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY	TGLs = 3-5		
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
Note: HDN	TGLs = 4-22		
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Mesenteric	Angiectasis	Moderate
Note: ANGIECTASIS	TGLs = 5-5-1		
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: CYST	TGLs = 1-8		
Note: FIBROADENOMA	TGLs = 2-21		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 11

SEX: Female

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040661

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-1-1		
Tissue NOS			
Note: TGL 2-21 IS MAMMARY GLAND.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 11

SEX: Female

DAY ON TEST: 641

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040662

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	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Brain		Compression Hemorrhage	Moderate Mild
[Compression TGLS = 6-1] [Hemorrhage TGLS = 7-1]			
Clitoral Gland	Bilateral	Carcinoma Cyst	Moderate
Note: CYST TGLs = 2-21 Note: CARCINOMA TGLs = 2-21			
Heart		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Nephropathy Pigmentation	Chronic, Mild Mild
Liver		Basophilic Focus Inflammation	Minimal Granulomatous, Multiple, Moderate
Mammary Gland	Duct	Cyst Hyperplasia	Moderate Lobular, Moderate
Note: CYST TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Ovary		Cyst	Mild
Note: CYST TGLs = 3-7-1			
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 11

SEX: Female

DAY ON TEST: 641

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040662

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Epithelium, Forestomach
Forestomach

Hyperplasia
Ulcer

Moderate
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 385

TRT#: 11

SEX: Female

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040640

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 - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Mild
Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 4-3-1			
Mammary Gland	Duct	Cyst	Moderate
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Skeletal Muscle	Abdominal	Lipoma	
Note: LIPOMA TGLs = 1-21			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6-1			
Tissue NOS			
Note: TGL 1-21 IS SKELETAL MUSCLE.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 11

SEX: Female

DAY ON TEST: 683

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040663

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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Cyst	Moderate
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
		Vacuolization Cytoplasmic	Marked
Note: VACUOLIZ CYTO	TGLs = 1-6		
Lung		Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Moderate
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Minimal
Spleen		Leukemia Mononuclear	
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
	Forestomach	Inflammation	Suppurative, Moderate
Uterus		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 11

SEX: Female

DAY ON TEST: 683

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040663

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 387

TRT#: 11

SEX: Female

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040641

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	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6-1			
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 388

TRT#: 11

SEX: Female

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040664

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	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland		Hyperplasia	Lobular, Moderate
Nose	Submucosa	Pigmentation	Mild
Pancreas		Basophilic Focus	Multiple, Mild
	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1-1]			
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
		Ultimobranchial Cyst	Mild
Uterus		Polyp Stromal	

Note: POLYP STROMAL TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 389

TRT#: 11

SEX: Female

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040665

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	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Brain		Compression	Mild
Note: COMPRESSION	TGLs = 5-1		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
Lymph Node	Mesenteric	Angiectasis	Moderate
	Mandibular	Cyst	Multiple, Mild
Note: ANGIECTASIS	TGLs = 3-5-1		
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
		Hyperplasia	Lobular, Moderate
Note: CYST	TGLs = 1-8		
Note: FIBROADENOMA	TGLs = 2-21		
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 389

TRT#: 11

SEX: Female

DAY ON TEST: 731

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040665

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 4-1-1

Stomach Epithelium, Forestomach

Hyperplasia

Minimal

Thyroid Gland C Cell

Hyperplasia

Focal, Mild

Tissue NOS

Note: TGL 2-21 IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 390

TRT#: 11

SEX: Female

DAY ON TEST: 731

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040666

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	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Clitoral Gland		Adenoma	
Eye		Cataract	Moderate
	Retina	Degeneration	Moderate
Note: CATARACT	TGLs = 1-21		
Note: DEGEN	TGLs = 1-21		
Heart		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland	Duct	Cyst	Moderate
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 391

TRT#: 11

SEX: Female

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040667

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	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 1-1]			
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 392

TRT#: 11

SEX: Female

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040668

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	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Brain		Compression	Mild
Clitoral Gland	Bilateral	Cyst	Moderate
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Note: HDN TGLs = 5-25			
Lung		Infiltration Cellular	Histiocyte, Focal, Mild
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
		Hyperplasia	Lobular, Mild
Note: CYST TGLs = 1-21			
Note: HYPERPLASIA TGLs = 1-21			
Note: FIBROADENOMA TGLs = 2-22,3-23,4-24			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Tissue NOS			
Note: TGL 3 ON SLIDE 23 AND TGL 4 ON 24 ARE MAMMARY GL.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 392

TRT#: 11

SEX: Female

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040668

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 2 ON SLIDE 22 LYMPH NODE IS MAMMARY GL.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 11

SEX: Female

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040669

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 - Mesenteric
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS TGLs = 4-23			
Clitoral Gland	Bilateral	Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mediastinal	Angiectasis	Mild
	Mandibular	Cyst	Multiple, Mild
Note: ANGIECTASIS TGLs = 3-3			
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-21			
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 2-22			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Spleen		Leukemia Mononuclear	
Tissue NOS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 11

SEX: Female

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040669

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 1-21 IS MAMMARY GL.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 394

TRT#: 11

SEX: Female

DAY ON TEST: 732

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Skin
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Glandular
Urinary Bladder

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

OBSERVATIONS

Clitoral Gland
Note: CYST TGLs = 3-8-2

Heart
Kidney

Liver

Note: HDN TGLs = 4-22

Lymph Node
Mammary Gland

Note: FIBROADENOMA TGLs = 2-21

Note: HYPERPLASIA TGLs = 1-8

Nose
Spleen

Tissue NOS
Note: TGL 2-21 IS MAMMARY GL.

Uterus

Renal Tubule

Bile Duct

Mandibular

Submucosa

Cyst

Inflammation
Nephropathy
Pigmentation
Basophilic Focus
Hepatodiaphragmatic Nodule
Hyperplasia
Inflammation
Leukemia Mononuclear

Cyst
Fibroadenoma
Hyperplasia

Pigmentation
Leukemia Mononuclear

Hyperplasia

Mild

Chronic, Mild
Chronic, Mild
Mild
Multiple, Mild
Mild
Granulomatous, Multiple, Minimal

Multiple, Mild
Lobular, Mild

Minimal

Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 395

TRT#: 11

SEX: Female

DAY ON TEST: 563

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040671

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
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Clitoral Gland		Cyst	Mild
Note: CYST TGLs = 2-8-2			
Kidney		Myxosarcoma	
	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Mild
[Nephropathy TGLS = 4-22]			
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
Note: HDN TGLs = 5-23			
Mammary Gland	Duct	Cyst	Mild
Note: CYST TGLs = 1-8			
Mesentery	Fat	Inflammation	Granulomatous, Focal, Moderate
	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 3-21			
Note: INFLAMMATION TGLs = 3-21			
Nose	Submucosa	Pigmentation	Minimal
Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Glandular	Ulcer	Multiple, Mild
[Ulcer TGLS = 6-4-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 396

TRT#: 11

SEX: Female

DAY ON TEST: 710

DOSE: 0.06666%

DISP: Natural Death

HISTO: A86040672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Clitoral Gland	Esophagus
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	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

Adrenal Gland	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Compression	Mild
		Hemorrhage	Multiple, Moderate
[Hemorrhage TGLS = 10-1]			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY TGLs = 5-5			
Liver	Bile Duct	Hepatodiaphragmatic Nodule	Moderate
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
Note: LEUKEMIA MONUC TGLs = 6-6			
Note: HDN TGLs = 7-22			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-2,8-2-1			
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 11-3			
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8,2-21			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 396

TRT#: 11

SEX: Female

DAY ON TEST: 710

DOSE: 0.0666%

DISP: Natural Death

HISTO: A86040672

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA

TGLs = 9-1-1

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC

TGLs = 4-6-1

Stomach

Epithelium, Forestomach

Hyperplasia

Mild

Tissue NOS

Note: TGL 2-21 IS MAMMARY GLAND-CYST/DUCT.

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 397

TRT#: 11

SEX: Female

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040673

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 - Mesenteric
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Note: HDN TGLs = 5-22			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 2-8-1			
Mammary Gland	Duct	Cyst	Mild
Note: CYST TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild
Ovary		Cyst	Moderate
Note: CYST TGLs = 3-7			
Pancreas	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 398

TRT#: 11

SEX: Female

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040674

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
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Compression	Mild
Note: COMPRESSION	TGLs = 4-1		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY	TGLs = 2-5		
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA	TGLs = 1-8		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Stomach	Glandular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA	TGLs = 5-4-2		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 399

TRT#: 11

SEX: Female

DAY ON TEST: 613

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

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

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Pituitary Gland
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Adrenal Gland
Note: PHEOCHROM MAL TGLs = 2-21

Medulla

Pheochromocytoma Malignant

Heart
Kidney

Inflammation
Nephropathy
Pigmentation

Chronic, Mild
Chronic, Mild
Minimal

Liver
Lung
Nose
Salivary Glands
Uterus
Note: HYPERPLASIA TGLs = 3-7

Renal Tubule

Basophilic Focus
Infiltration Cellular
Pigmentation
Cytomegaly
Hyperplasia

Multiple, Mild
Histiocyte, Focal, Mild
Mild
Mild
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 400

TRT#: 11

SEX: Female

DAY ON TEST: 525

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040676

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	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain [Compression TGLS = 5-1]		Compression	Moderate
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Degeneration	Multiple, Moderate
Lung		Infiltration Cellular	Histiocyte, Focal, Mild
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: CYST TGLs = 1-8			
Note: FIBROADENOMA TGLs = 2-21			
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 3-22			
Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland [Adenoma TGLS = 4-1-1]	Pars Distalis	Adenoma	
Tissue NOS			
Note: TGL 2-21 IS MAMMARY GLAND.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 401

TRT#: 11

SEX: Female

DAY ON TEST: 735

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040677

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	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Clitoral Gland		Cyst	Moderate
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
		Hyperplasia	Lobular, Moderate
		Pigmentation	Mild
	Submucosa		
	Pars Distalis	Hyperplasia	Focal, Moderate
	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 402

TRT#: 11

SEX: Female

DAY ON TEST: 632

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Moderate
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Moderate
Note: LEUKEMIA MONUC	TGLs = 10-10		
Note: LEUKEMIA MONUC	TGLs = 10-10		
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland	Bilateral	Cyst	Moderate
		Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 3-8-2		
Note: CYST	TGLs = 2-8-2		
Heart		Leukemia Mononuclear	
Intestine Large	Colon	Leukemia Mononuclear	
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
Note: LEUKEMIA MONUC	TGLs = 11-6		
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 402

TRT#: 11

SEX: Female

DAY ON TEST: 632

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040678

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreatic

Leukemia Mononuclear

Renal

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 12-24

Note: LEUKEMIA MONUC TGLs = 9-23

Note: LEUKEMIA MONUC TGLs = 4-8-1

Note: LEUKEMIA MONUC TGLs = 8-22

Mammary Gland

Duct

Cyst

Mild

Note: CYST TGLs = 1-8

Note: HYPERPLASIA TGLs = 1-8

Hyperplasia

Lobular, Mild

Nose

Submucosa

Pigmentation

Mild

Ovary

Bilateral

Leukemia Mononuclear

Pancreas

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Adenoma

Spleen

Leukemia Mononuclear

Note: NECROSIS TGLs = 7-21

Note: LEUKEMIA MONUC TGLs = 6-6-1

Necrosis

Moderate

Thymus

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 13-3-1

Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 403

TRT#: 11

SEX: Female

DAY ON TEST: 533

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Islets, Pancreatic
Mammary Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Clitoral Gland
Intestine Small - Duodenum
Lung
Ovary
Stomach - Forestomach
Trachea

Bone
Esophagus
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Thymus

OBSERVATIONS

Heart
Intestine Large
Kidney

Liver
Nose
Pituitary Gland
[Adenoma TGLS = 3-1]
Salivary Glands
Skin
Note: SARCOMA TGLs = 1-21

Rectum

Renal Tubule

Submucosa
Pars Distalis

Acinar Cell
Subcut Tiss

Inflammation
Parasite Metazoan
Nephropathy
Pigmentation
Basophilic Focus
Pigmentation
Adenoma

Atrophy
Sarcoma

Chronic, Mild
Mild
Chronic, Mild
Mild
Multiple, Mild
Minimal

Mild

Uterus
Note: POLYP STROMAL TGLs = 2-22

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 404

TRT#: 11

SEX: Female

DAY ON TEST: 735

DOSE: 0.06666%

DISP: Terminal Sacrifice

HISTO: A86040680

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
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8			
Nose	Submucosa	Pigmentation	Minimal
Ovary			
Note: INTEGRITY OF CYST LOST AT TRIMMING.			
Pancreas	Acinar Cell	Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Thyroid Gland	C Cell	Carcinoma	
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 405

TRT#: 11

SEX: Female

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040681

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	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Moderate
Clitoral Gland	Bilateral	Cyst	Moderate
Note: CYST TGLs = 1-8-2			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Moderate
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Note: CLEAR CL FOCUS TGLs = 3-21			
Lung		Infiltration Cellular	Histiocyte, Focal, Mild
[Infiltration Cellular TGLS = 4-2-1]			
Mammary Gland	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 406

TRT#: 11

SEX: Female

DAY ON TEST: 633

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040682

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	Lung
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Brain		Compression	Moderate
[Compression TGLS = 4-1]			
Clitoral Gland	Bilateral	Cyst	Mild
		Inflammation	Suppurative, Mild
Heart		Inflammation	Chronic, Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Note: CYST	TGLs = 1-8		
Note: HYPERPLASIA	TGLs = 1-8		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1-1]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-21		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 407

TRT#: 11

SEX: Female

DAY ON TEST: 683

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040683

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	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Cystic, Marked
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: DEGEN TGLs = 7-10			
Note: LEUKEMIA MONUC TGLs = 7-10			
Note: LEUKEMIA MONUC TGLs = 7-10			
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Islets, Pancreatic		Adenoma	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-6			
Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 407

TRT#: 11

SEX: Female

DAY ON TEST: 683

DOSE: 0.0666%

DISP: Moribund Sacrifice

HISTO: A86040683

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 4-21

Note: LEUKEMIA MONUC TGLs = 2-8-1

Note: LEUKEMIA MONUC TGLs = 12-3

Note: LEUKEMIA MONUC TGLs = 10-24

Note: LEUKEMIA MONUC TGLs = 9-23

Mammary Gland

Duct

Cyst

Mild

Note: CYST TGLs = 1-8

Mesentery

Fat

Necrosis

Focal, Moderate

Note: NECROSIS TGLs = 6-22

Nose

Submucosa

Pigmentation

Mild

Ovary

Leukemia Mononuclear

Pancreas

Acinar Cell

Atrophy

Mild

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Leukemia Mononuclear

[Adenoma TGLS = 13-1-1]

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-6-1

Thymus

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 11-25

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 408

TRT#: 11

SEX: Female

DAY ON TEST: 571

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040684

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	Pancreas	Salivary Glands
Skin	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland	Bilateral	Cyst	Moderate
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
Note: VACUOLIZ CYTO	TGLs = 8-6		
Note: LEUKEMIA MONUC	TGLs = 8-6		
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 11-25		
Note: LEUKEMIA MONUC	TGLs = 9-3-1		
	[Leukemia Mononuclear TGLS = 7-24]		
Mammary Gland	Duct	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 408

TRT#: 11

SEX: Female

DAY ON TEST: 571

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040684

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST Mesentery TGLs = 1-8	Fat	Necrosis	Focal, Moderate
Note: NECROSIS Nose TGLs = 2-21	Submucosa	Pigmentation	Minimal
Ovary		Leukemia Mononuclear	
Parathyroid Gland		Cyst	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Leukemia Mononuclear	
[Adenoma TGLS = 12-1-1] [Leukemia Mononuclear TGLS = 12-1-1]			
Spleen		Fibrosis Leukemia Mononuclear	Focal, Mild
Note: FIBROSIS Stomach TGLs = 5-22,6-23 Note: LEUKEMIA MONUC TGLs = 4-6-1	Epithelium, Forestomach Glandular Forestomach	Hyperplasia Necrosis Ulcer	Mild Focal, Multiple, Mild Minimal
Note: NECROSIS Uterus TGLs = 13-4-2		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 409

TRT#: 11

SEX: Female

DAY ON TEST: 735

DOSE: 0.0666%

DISP: Terminal Sacrifice

HISTO: A86040685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Colon	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	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Minimal
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Lobular, Mild
Note: FIBROADENOMA	TGLs = 1-21,2-22		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Moderate
Thyroid Gland	C Cell	Adenoma	
Tissue NOS			
Note: TGL 1-21 & 2-22 ARE MAMMARY GLAND.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 410

TRT#: 11

SEX: Female

DAY ON TEST: 571

DOSE: 0.06666%

DISP: Moribund Sacrifice

HISTO: A86040686

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
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Brain		Compression	Moderate
[Compression TGLS = 6-1]			
Clitoral Gland	Bilateral	Cyst	Mild
		Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8			
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 2-21			
Ovary		Cyst	Moderate
Note: CYST TGLs = 3-7			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Marked
[Adenoma TGLS = 4-1-1]			
[Cyst TGLS = 5-1-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 411

TRT#: 12

SEX: Female

DAY ON TEST: 456

DOSE: 0.0666% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Urinary Bladder

Uterus

OBSERVATIONS

Clitoral Gland

Cyst

Mild

Note: CYST TGLs = 1-8-2

Kidney

Renal Tubule

Dilatation

Minimal

Renal Tubule

Mineralization

Mild

Nephropathy

Chronic, Minimal

Liver

Basophilic Focus

Multiple, Minimal

Eosinophilic Focus

Mild

Bile Duct

Hyperplasia

Minimal

Mixed Cell Focus

Mild

Note: MIXED CL FOCUS TGLs = 2-21

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 412	TRT#: 12	SEX: Female	DAY ON TEST: 457
	DOSE: 0.0666% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Urinary Bladder	Uterus
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OBSERVATIONS

Kidney	Renal Tubule	Dilatation	Minimal
Liver		Basophilic Focus	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Leukemia Mononuclear	
Nose	Submucosa	Pigmentation	Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
	Capsule	Hypertrophy	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 413	TRT#: 12	SEX: Female	DAY ON TEST: 456
	DOSE: 0.0666% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Urinary Bladder	Uterus
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OBSERVATIONS

Kidney	Renal Tubule	Dilatation	Minimal
	Renal Tubule	Mineralization	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Nose	Submucosa	Pigmentation	Minimal
Spleen	Capsule	Hypertrophy	Minimal
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 414

TRT#: 12

SEX: Female

DAY ON TEST: 458

DOSE: 0.0666% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Urinary Bladder

Uterus

OBSERVATIONS

Clitoral Gland

Cyst

Mild

Note: CYST TGLs = 1-8

Kidney

Renal Tubule

Dilatation

Minimal

Liver

Basophilic Focus

Minimal

Nose

Submucosa

Pigmentation

Minimal

Spleen

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 415

TRT#: 12

SEX: Female

DAY ON TEST: 457

DOSE: 0.0666% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland

Urinary Bladder

OBSERVATIONS

Kidney

Renal Tubule

Dilatation

Minimal

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Liver

Basophilic Focus

Multiple, Minimal

Bile Duct

Hyperplasia

Minimal

Inflammation

Granulomatous, Multiple, Mild

Mixed Cell Focus

Minimal

Nose

Submucosa

Pigmentation

Minimal

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Uterus

Dilatation

Mild

Note: DILATATION TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 416	TRT#: 12	SEX: Female	DAY ON TEST: 457
	DOSE: 0.0666% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Urinary Bladder	Uterus
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OBSERVATIONS

Ear	Pinna	Schwannoma Malignant	
Note: SCHWANNOMA MAL TGLs = 1-21			
Kidney	Renal Tubule	Mineralization	Minimal
Liver		Basophilic Focus	Multiple, Minimal
Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 417

TRT#: 12

SEX: Female

DAY ON TEST: 457

DOSE: 0.0666% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Urinary Bladder

Uterus

OBSERVATIONS

Clitoral Gland

Cyst

Mild

Note: CYST TGLs = 1-8

Kidney

Renal Tubule

Mineralization

Mild

Nephropathy

Chronic, Minimal

Basophilic Focus

Multiple, Minimal

Liver

Nose

Submucosa

Pigmentation

Minimal

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Cyst

Multiple, Moderate

Note: CYST TGLs = 3-1

Note: ADENOMA TGLs = 3-1

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 2-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 418	TRT#: 12	SEX: Female	DAY ON TEST: 458
	DOSE: 0.0666% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Urinary Bladder	Uterus
----------------	-----------------	--------

OBSERVATIONS

Kidney		Cyst	Moderate
	Renal Tubule	Mineralization	Minimal
[Mineralization TGLS = 2-22]			
Liver		Basophilic Focus	Multiple, Minimal
		Hepatodiaphragmatic Nodule	Moderate
Note: HDN	TGLs = 1-21		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 419	TRT#: 12	SEX: Female	DAY ON TEST: 456
	DOSE: 0.0666% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Urinary Bladder	Uterus
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OBSERVATIONS

Clitoral Gland		Adenoma	
		Cyst	Multiple, Moderate
Note: CYST	TGLs = 1-8		
Note: ADENOMA	TGLs = 1-8		
Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
Nose	Submucosa	Pigmentation	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 420	TRT#: 12	SEX: Female	DAY ON TEST: 456
	DOSE: 0.0666% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Urinary Bladder	Uterus
----------------	-----------------	--------

OBSERVATIONS

Kidney	Renal Tubule	Dilatation	Mild
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 1-21]		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 421

TRT#: 15

SEX: Female

DAY ON TEST: 723

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Pancreas
Thyroid Gland

Bone
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Trachea

Bone Marrow
Intestine Large - Rectum
Islets, Pancreatic
Skin

Esophagus
Intestine Small - Duodenum
Lymph Node - Mesenteric
Thymus

MISSING

Lymph Node - Mandibular

Salivary Glands

Ureter

OBSERVATIONS

Adrenal Gland

Cortex
Cortex

Hyperplasia
Necrosis
Embolus Bacterial
Inflammation
Cyst
Inflammation

Focal, Mild
Focal, Multiple, Mild
Multiple, Moderate
Suppurative, Multiple, Moderate
Moderate
Suppurative, Moderate

Brain

Clitoral Gland

Note: INFLAMMATION TGLs = 15-23

Heart
Kidney

Transit Epithe
Papilla

Inflammation
Hydronephrosis
Hyperplasia
Inflammation
Necrosis
Nephropathy

Chronic, Mild
Moderate
Marked
Suppurative, Moderate
Marked
Chronic, Mild

Note: INFLAMMATION TGLs = 7-5

Note: HYDRONEPHROSIS TGLs = 9-5

Liver

Lung

Lymph Node

Note: HYPERPLASIA TGLs = 16-3

Mammary Gland

Mediastinal
Duct

Basophilic Focus
Eosinophilic Focus
Embolus Bacterial
Inflammation
Hyperplasia

Cyst

Multiple, Minimal
Mild
Multiple, Mild
Suppurative, Multiple, Moderate
Lymphoid, Mild

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 421

TRT#: 15

SEX: Female

DAY ON TEST: 723

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040735

ORGAN AND ACCOUNTABLE SITE STATUS

		Fibroadenoma	
		Hyperplasia	Lobular, Moderate
Note: FIBROADENOMA	TGLs = 2-21		
Note: HYPERPLASIA	TGLs = 1-8,3-22		
Note: CYST	TGLs = 1-8,2-21,3-22		
Nose	Nasolacrim Dct	Hemorrhage	Mild
	Submucosa	Hemorrhage	Moderate
	Submucosa	Pigmentation	Mild
Ovary		Cyst	Mild
Note: CYST	TGLs = 4-7-1		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 11-1		
Spleen		Pigmentation	Moderate
Stomach	Forestomach	Edema	Moderate
	Forestomach	Ulcer	Multiple, Mild
	Glandular	Ulcer	Mild
Note: ULCER	TGLs = 12-4-1		
Note: ULCER	TGLs = 14-4-2		
Note: EDEMA	TGLs = 13-4-1		
Tissue NOS			
Note: TGL 3-22 IS MAMMARY GLAND.			
Note: TGL 2-21 IS MAMMARY GLAND.			
Urinary Bladder		Calculus Gross Observation	
		Hemorrhage	Moderate
	Transit Epithe	Hyperplasia	Marked
		Inflammation	Suppurative, Marked
Note: HYPERPLASIA	TGLs = 5-8-1		
Uterus	Cervix	Inflammation	Suppurative, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 422

TRT#: 15

SEX: Female

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040736

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	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Hypertrophy	Focal, Multiple, Moderate
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Brain		Compression	Moderate
[Compression TGLS = 3-1]			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY	TGLs = 2-5		
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Moderate
Note: CYST	TGLs = 1-21		
Note: HYPERPLASIA	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 423

TRT#: 15

SEX: Female

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040737

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
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Hypertrophy	Focal, Mild
Clitoral Gland		Adenoma	
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Note: HDN TGLs = 2-21			
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Note: CYST TGLs = 1-8			
Note: HYPERPLASIA TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Note: CYST TGLs = 3-1			
[Cyst TGLS = 3-1]			
Spleen		Pigmentation	Moderate
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 423

TRT#: 15

SEX: Female

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040737

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 424

TRT#: 15

SEX: Female

DAY ON TEST: 728

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Brain		Compression	Moderate
[Compression TGLS = 3-1]			
Harderian Gland		Hemorrhage	Moderate
Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Minimal
Lung		Inflammation	Granulomatous, Focal, Moderate
[Inflammation TGLS = 5-2-1]			
Lymph Node	Mediastinal	Angiectasis	Moderate
Note: ANGIECTASIS			
TGLs = 4-3			
Mammary Gland	Duct	Cyst	Mild
Note: CYST			
TGLs = 1-8			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 425

TRT#: 15

SEX: Female

DAY ON TEST: 727

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040739

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 - Mesenteric	Ovary	Salivary Glands	Skin
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Degeneration	Cystic, Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Brain		Hemorrhage	Mild
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Note: PIGMENT TGLs = 5-5			
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
Lymph Node	Mandibular	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 2-8-1			
Mammary Gland	Duct	Cyst	Moderate
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-21			
Note: CYST TGLs = 3-8,1-21			
Nose	Submucosa	Hemorrhage	Mild
	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 425

TRT#: 15

SEX: Female

DAY ON TEST: 727

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040739

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 6-1]

Spleen

Congestion

Moderate

Sarcoma

Note: SARCOMA TGLs = 4-22

Stomach

Epithelium, Forestomach

Hyperplasia

Moderate

Thymus

Cyst

Mild

Tissue NOS

Note: TGL 1-21 IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 426

TRT#: 15

SEX: Female

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040740

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	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Hyperplasia	Focal, Moderate
	Cortex	Hypertrophy	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Mild
Clitoral Gland	Bilateral	Cyst	Mild
		Hyperplasia	Focal, Mild
Note: CYST	TGLs = 1-8-2		
Note: HYPERPLASIA	TGLs = 1-8-2		
Heart		Inflammation	Chronic, Mild
Kidney		Cyst	Mild
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Thymus		Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 427

TRT#: 15

SEX: Female

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040741

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	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Hypertrophy	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Multiple, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
		Leukemia Mononuclear	
		Hemorrhage	Multiple, Mild
Lung			
Note: HEMORRHAGE	TGLs = 1-2		
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 428

TRT#: 15

SEX: Female

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040742

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Clitoral Gland		Cyst	Moderate
Heart		Inflammation	Chronic, Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
Lymph Node	Mediastinal	Angiectasis	Moderate
	Pancreatic	Angiectasis	Mild
Mammary Gland	Duct	Cyst	Marked
		Fibroadenoma	
		Hyperplasia	Lobular, Marked
Note: HYPERPLASIA TGLs = 1-21,2-22 [Cyst TGLS = 1-21,2-22] [Fibroadenoma TGLS = 2-22]			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1			
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 4-23			
Tissue NOS			
Note: TGL 2-22 IS MAMMARY GLAND.			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 428

TRT#: 15

SEX: Female

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040742

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 429

TRT#: 15

SEX: Female

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone		Osteopetrosis	Moderate
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Renal Tubule	Mineralization	Mild
	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
Lung		Infiltration Cellular	Histiocyte, Focal, Mild
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Thymus		Cyst	Mild
Tissue NOS			
Note: TGL 1-21 IS MAMMARY GLAND.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 430

TRT#: 15

SEX: Female

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040744

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 - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Hypertrophy	Focal, Mild
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS	TGLs = 6-24		
Clitoral Gland		Cyst	Moderate
Heart		Inflammation	Chronic, Mild
Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Kidney	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Mild
Liver	Bile Duct	Basophilic Focus	Multiple, Mild
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: CYST	TGLs = 2-8		
Note: FIBROADENOMA	TGLs = 3-22		
Mesentery	Fat	Lipoma	
Note: LIPOMA	TGLs = 4-23		
Note: TGL 4-23 IS MESENTERY FAT-LIPOMA.			
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Moderate
Skin	Subcut Tiss	Fibrosarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 430

TRT#: 15

SEX: Female

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040744

ORGAN AND ACCOUNTABLE SITE STATUS

Parakeratosis

Moderate

Ulcer

Moderate

Note: PARAKERATOSIS TGLs = 1-21

Note: ULCER TGLs = 1-21

Note: TGL 1-21 IS SKIN OF THE FOOT

Note: FIBROSARC TGLs = 1-21

Tissue NOS

Note: TGL 3-22 IS MAMMARY GLAND.

Note: TGL 1-21 IS SKIN.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 431

TRT#: 15

SEX: Female

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Bone
Note: HYPEROSTOSIS TGLs = 2-22
Heart
Kidney
Liver
Mammary Gland
Note: CYST TGLs = 1-21
Note: HYPERPLASIA TGLs = 1-21
Nose
Pituitary Gland
[Adenoma TGLS = 4-1]

Calvarium
Renal Tubule
Duct
Submucosa
Pars Distalis

Hyperostosis
Inflammation
Nephropathy
Pigmentation
Basophilic Focus
Cyst
Hyperplasia
Pigmentation
Adenoma

Mild
Chronic, Mild
Chronic, Mild
Mild
Multiple, Mild
Mild
Lobular, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 432

TRT#: 15

SEX: Female

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Salivary Glands
Stomach - Glandular
Uterus

Bone
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Skin
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Adrenal Gland
Heart
Kidney

Liver

Mammary Gland
Note: HYPERPLASIA TGLs = 1-8
Nose
Thyroid Gland

Cortex

Renal Tubule

Bile Duct

Submucosa
C Cell

Vacuolization Cytoplasmic
Inflammation
Nephropathy
Pigmentation
Basophilic Focus
Hyperplasia
Hyperplasia

Pigmentation
Hyperplasia

Focal, Mild
Chronic, Mild
Chronic, Minimal
Mild
Multiple, Mild
Minimal
Lobular, Mild

Mild
Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 433

TRT#: 15

SEX: Female

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040747

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	Lymph Node - Mandibular	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Cyst	Mild
Note: CYST	TGLs = 5-8-2		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Moderate
		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-21		
Note: CYST	TGLs = 2-8		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-22,4-6		
Tissue NOS			
Note: TGL 1-21 IS MAMMARY GLAND.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 434

TRT#: 15

SEX: Female

DAY ON TEST: 533

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Ovary
Parathyroid Gland	Salivary Glands	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Inflammation	Chronic, Mild
Intestine Large	Cecum	Leukemia Mononuclear	
	Colon	Leukemia Mononuclear	
	Rectum	Leukemia Mononuclear	
Intestine Small	Jejunum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Mild
Note: NEPHROPATHY TGLs = 5-5			
Note: LEUKEMIA MONUC TGLs = 5-5			
Liver		Eosinophilic Focus	Moderate
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: HDN TGLs = 6-22			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-2]			
Lymph Node	Mandibular	Cyst	Multiple, Moderate
	Renal	Cyst	Multiple, Marked
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 434

TRT#: 15

SEX: Female

DAY ON TEST: 533

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040748

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-24		
Note: LEUKEMIA MONUC	TGLs = 2-21		
Note: CYST	TGLs = 1-8-1		
Note: LEUKEMIA MONUC	TGLs = 7-23		
Note: CYST	TGLs = 7-23		
	[Leukemia Mononuclear TGLS = 9-3]		
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 11-1]		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6,4-6		
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
	Glandular	Leukemia Mononuclear	
Uterus		Hyperplasia	Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 435

TRT#: 15

SEX: Female

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040749

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	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Minimal
Brain		Compression	Marked
[Compression TGLS = 5-1-1]			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Eosinophilic Focus	Multiple, Moderate
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland	Duct	Cyst	Marked
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 3-21			
Note: CYST TGLs = 2-8,3-21			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1-1]			
Skin	Nipple	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 1-8-2			
Tissue NOS			
Note: TGL 3-21 IS MAMMARY GLAND.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 435

TRT#: 15

SEX: Female

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040749

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 436

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Cyst	Mild
Eye		Cataract	Mild
Note: DEGEN TGLs = 1-21	Retina	Degeneration	Marked
Heart		Inflammation	Chronic, Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Infarct	Mild
		Nephropathy	Chronic, Mild
Note: INFARCT TGLs = 3-5	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-22			
Nose	Lumen	Fungus	Mild
	Lumen	Inflammation	Suppurative, Mild
	Submucosa	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 436

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040750

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 5-1]

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-6-1

Tissue NOS

Note: TGL 2-22 IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 437

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040751

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
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Multiple, Mild
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Minimal
Lymph Node	Mediastinal	Pigmentation	Moderate
Note: PIGMENT TGLs = 5-3-1			
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
		Hyperplasia	Lobular, Mild
Note: FIBROADENOMA TGLs = 1-21			
Mesentery	Fat	Inflammation	Granulomatous, Moderate
	Fat	Necrosis	Focal, Moderate
Note: INFLAMMATION TGLs = 2-22,3-23			
Note: NECROSIS TGLs = 2-22,3-23			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 437

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040751

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

Tissue NOS

Note: TGL 1-21 IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 438

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	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	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Granulomatous, Multiple, Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
		Inflammation	Granulomatous, Focal, Moderate
		Mineralization	Focal, Moderate
Note: MINERALIZATION TGLs = 1-2 [Inflammation TGLS = 1-2] [Mineralization TGLS = 1-2]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 439

TRT#: 15

SEX: Female

DAY ON TEST: 672

DOSE: 0.0222%

DISP: Natural Death

HISTO: A86040753

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	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Note: LEUKEMIA MONUC	TGLs = 4-10		
Note: LEUKEMIA MONUC	TGLs = 4-10		
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Cyst	Mild
Heart		Leukemia Mononuclear	
Islets, Pancreatic		Adenoma	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-6		
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Mild
Note: CYST	TGLs = 1-21		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 439	TRT#: 15 DOSE: 0.0222%	SEX: Female DISP: Natural Death	DAY ON TEST: 672 HISTO: A86040753
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild
Ovary	Bilateral	Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Stomach	Glandular Epithelium, Glandular	Erosion Hyperplasia	Moderate Focal, Mild
Note: HYPERPLASIA TGLs = 6-4-1			
Note: EROSION TGLs = 6-4-1			
Thyroid Gland	C Cell	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 440

TRT#: 15

SEX: Female

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040754

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	Lung
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland	Bilateral	Cyst	Moderate
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mandibular	Cyst	Mild
	Mandibular	Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-22			
Nose	Submucosa	Pigmentation	Mild
Skin		Hyperkeratosis	Moderate
		Parakeratosis	Moderate
		Ulcer	Mild
Note: HYPERKERATOSIS TGLs = 1-21			
Note: PARAKERATOSIS TGLs = 1-21			
Note: ULCER TGLs = 1-21			
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 440

TRT#: 15

SEX: Female

DAY ON TEST: 731

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040754

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS

Note: TGL 2-22 IS MAMMARY GLAND.

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 441

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Minimal
Bone Marrow		Leukemia Mononuclear	
Brain		Compression	Mild
[Compression TGLS = 6-1]			
Heart		Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Moderate
Note: LEUKEMIA MONUC TGLs = 3-6			
Note: MIXED CL FOCUS TGLs = 4-22			
Lung		Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
		Hyperplasia	Lobular, Mild
Note: FIBROADENOMA TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 441

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040755

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-6

Tissue NOS

Note: TGL 1-21 IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 442

TRT#: 15

SEX: Female

DAY ON TEST: 598

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040756

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 Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland		Cyst	Moderate
Note: CYST	TGLs = 2-8		
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Mammary Gland	Duct	Cyst	Mild
Nose	Lumen	Foreign Body	Mild
	Lumen	Hyperkeratosis	Marked
	Lumen	Inflammation	Suppurative, Mild

Note: HYPERKERATOSIS TGLs = 4-9

Tooth

Note: INCISOR-DEFORMITY NO SECTION TAKEN-OVERGROWTH.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 443

TRT#: 15

SEX: Female

DAY ON TEST: 729

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040757

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
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	Multiple
		Hyperplasia	Lobular, Mild
Note: FIBROADENOMA	TGLs = 1-21,2-22		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
	[Hyperplasia TGLS = 4-1-1]		
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 3-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 444

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040758

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

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Vagina

OBSERVATIONS

Adrenal Gland

Cortex

Hypertrophy

Focal, Mild

Clitoral Gland

Cyst

Mild

Heart

Hyperplasia

Focal, Mild

Kidney

Inflammation

Chronic, Mild

Liver

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Basophilic Focus

Multiple, Mild

Eosinophilic Focus

Mild

Bile Duct

Hyperplasia

Minimal

Inflammation

Granulomatous, Multiple, Minimal

Mammary Gland

Duct

Cyst

Mild

Nose

Submucosa

Pigmentation

Mild

Pancreas

Acinar Cell

Atrophy

Mild

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Minimal

Skin

Subcut Tiss

Fibroma

Hyperkeratosis

Mild

Note: FIBROMA TGLs = 2-22

Note: HYPERKERATOSIS TGLs = 1-21

Tissue NOS

Note: TGL 2-22 IS SKIN/SUBCUTIS.

Note: TGL 1-21 IS SKIN/TAIL.

Uterus

Endometrium

Hyperplasia

Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 444

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040758

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

Note: TGL 4-7-1 IS NORMAL UTERUS/CERVIX

Note: POLYP STROMAL TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 445

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Hypertrophy

Focal, Mild

Cortex

Vacuolization Cytoplasmic

Multiple, Mild

Heart

Inflammation

Chronic, Mild

Intestine Large

Colon

Parasite Metazoan

Mild

Kidney

Renal Tubule

Nephropathy

Chronic, Mild

Liver

Renal Tubule

Pigmentation

Mild

Serosa

Basophilic Focus

Multiple, Mild

Serosa

Fibrosis

Moderate

Inflammation

Granulomatous, Moderate

Inflammation

Granulomatous, Multiple, Minimal

Mixed Cell Focus

Minimal

Note: INFLAMMATION TGLs = 5-22

Note: FIBROSIS TGLs = 5-22

Lung

Alveolar Epith

Hyperplasia

Focal, Mild

Mammary Gland

Duct

Cyst

Mild

Note: CYST TGLs = 2-8

Mesentery

Fat

Necrosis

Focal, Mild

Note: NECROSIS TGLs = 4-21

Nose

Submucosa

Pigmentation

Mild

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Cyst

Moderate

[Adenoma TGLS = 6-1-1]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 445	TRT#: 15 DOSE: 0.0222%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: A86040759
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ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 6-1-1]

Spleen	Capsule Capsule	Fibrosis Inflammation	Moderate Granulomatous, Moderate
Note: FIBROSIS TGLs = 5-22 Note: INFLAMMATION TGLs = 5-22			
Uterus		Hyperplasia Inflammation	Glandular, Mild Suppurative, Moderate
Note: HYPERPLASIA TGLs = 3-7 Note: INFLAMMATION TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 446

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Vacuolization Cytoplasmic

Focal, Minimal

Heart

Inflammation

Chronic, Mild

Intestine Large

Colon

Parasite Metazoan

Mild

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Liver

Basophilic Focus

Multiple, Mild

Bile Duct

Hyperplasia

Minimal

Mammary Gland

Duct

Cyst

Mild

Nose

Submucosa

Pigmentation

Mild

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 1-1]

Thyroid Gland

C Cell

Adenoma

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 447

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040761

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 - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Brain		Compression	Moderate
		Hemorrhage	Mild
[Compression TGLS = 6-1]			
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mandibular	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 3-8-1		
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
		Hyperplasia	Lobular, Moderate
Note: CYST	TGLs = 1-21		
Note: FIBROADENOMA	TGLs = 2-22		
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 4-23		
Nose	Submucosa	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 447

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040761

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 5-1

Tissue NOS

Note: TGL 2-22 IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 448

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040762

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	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Hypertrophy	Focal, Mild
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS	TGLs = 3-22		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mesenteric	Angiectasis	Moderate
Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Moderate
Note: CYST	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
Spleen		Inflammation	Granulomatous, Moderate
Note: INFLAMMATION	TGLs = 5-23		
Thyroid Gland	C Cell	Adenoma	
Tissue NOS			
Note: TGL 1-21 IS MAMMARY GLAND.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 448

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040762

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 2-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 449

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Salivary Glands
Stomach - Glandular

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Skin
Thymus

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Spleen
Trachea

OBSERVATIONS

Clitoral Gland

Note: ADENOMA TGLs = 4-8
Eye

Note: CATARACT TGLs = 1-21
Note: DEGEN TGLs = 1-21
Heart
Kidney

Liver

Mammary Gland

Note: CYST TGLs = 3-8,2-22
Note: HYPERPLASIA TGLs = 2-22
Nose
Ovary

Note: INFLAMMATION TGLs = 6-7-1
Pancreas
Pituitary Gland
[Adenoma TGLS = 8-1]

Retina

Renal Tubule

Submucosa

Acinar Cell
Pars Distalis

Adenoma
Cyst

Cataract
Degeneration

Inflammation
Nephropathy
Pigmentation
Basophilic Focus
Inflammation
Cyst
Hyperplasia

Pigmentation
Inflammation

Atrophy
Adenoma

Mild

Marked
Marked

Chronic, Mild
Chronic, Mild
Mild
Multiple, Mild
Granulomatous, Multiple, Mild
Mild
Lobular, Moderate

Mild
Granulomatous, Multiple, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 449

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040763

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Adenoma

Tissue NOS

Note: TGL 2-22 IS MAMMARY GLAND.

Uterus

Dilatation

Moderate

Note: DILATATION TGLs = 5-7

Zymbal's Gland

Carcinoma

Inflammation

Suppurative, Moderate

Note: CARCINOMA TGLs = 7-23

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 450

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040764

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
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Minimal
Mammary Gland		Fibroadenoma	
		Hyperplasia	Lobular, Mild
Note: FIBROADENOMA	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Tissue NOS			
Note: TGL 1-21 IS MAMMARY GLAND.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 451

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040765

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	Spleen
Stomach - Forestomach	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Clitoral Gland		Cyst	Mild
		Hyperplasia	Focal, Mild
Note: HYPERPLASIA	TGLs = 1-8		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY	TGLs = 3-5		
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
Mammary Gland		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas		Basophilic Focus	Multiple, Mild
	Acinar Cell	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Multiple, Mild
[Adenoma TGLS = 4-1-1]			
Stomach	Glandular	Mineralization	Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: UTERINE LESION WAS NOT FOUND IN BLOCK OR WET TISSUE.

Animal Note: SLIDE 7-1 IS CERVIX.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 451

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040765

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 452

TRT#: 15

SEX: Female

DAY ON TEST: 436

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86037049

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	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tissue NOS	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland		Fibroadenoma	
Note: TISSUE NOS IS MAMMARY GLAND FIBROADENOMA (#21 SLIDE)			
Note: FIBROADENOMA TGLs = 1-21			
Nose	Submucosa	Pigmentation	Mild
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Mild
		Pigmentation	Mild
[Congestion TGLS = 2-6]			
[Hypertrophy TGLS = 2-6]			
[Pigmentation TGLS = 2-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 453

TRT#: 15

SEX: Female

DAY ON TEST: 333

DOSE: 0.0222%

DISP: Natural Death

HISTO: A86037050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Liver
Ovary
Salivary Glands
Thymus
Uterus

Bone
Esophagus
Lung
Pancreas
Skin
Thyroid Gland
Vagina

Bone Marrow
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

Brain
Kidney
Mammary Gland
Pituitary Gland
Stomach - Glandular
Urinary Bladder

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Ileum

Intestine Large - Colon
Intestine Small - Jejunum

Intestine Large - Rectum

Intestine Small - Duodenum

OBSERVATIONS

Adrenal Gland
Heart
 [Congestion TGLS = 5-5]
Lymph Node
 Note: CONGESTION TGLs = 6-8
Nose

Spleen
 [Atrophy TGLS = 2-6]

Cortex
Atrium

Mandibular

Lumen
Lumen

Vacuolization Cytoplasmic
Congestion

Congestion

Fungus
Inflammation
Metaplasia
Atrophy

Mild
Moderate

Mild

Moderate
Suppurative, Moderate
Squamous, Mild
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 454

TRT#: 15

SEX: Female

DAY ON TEST: 727

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040766

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	Spleen
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Bilateral, Cortex	Vacuolization Cytoplasmic	Mild
Clitoral Gland		Cyst	Mild
Eye		Cataract	Marked
	Retina	Degeneration	Marked
Note: DEGEN	TGLs = 1-21		
Note: CATARACT	TGLs = 1-21		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY	TGLs = 5-5		
Liver		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Moderate
		Vacuolization Cytoplasmic	Moderate
Mammary Gland	Duct	Cyst	Moderate
		Hyperplasia	Lobular, Moderate
Note: HYPERPLASIA	TGLs = 3-8		
Note: CYST	TGLs = 3-8		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 9-1-1		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 454

TRT#: 15

SEX: Female

DAY ON TEST: 727

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040766

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Epithelium, Forestomach Forestomach Glandular Forestomach	Hyperplasia Inflammation Necrosis Squamous Cell Papilloma Carcinoma	Moderate Chronic, Mild Focal, Multiple, Mild
Thyroid Gland Note: CARCINOMA TGLs = 7-3,8-3	Follicular Cel		
Vagina Note: INFLAMMATION TGLs = 4-7-1		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 455

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040767

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	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Mineralization	Mild
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	

Note: HYPERPLASIA TGLs = 2-7-1

Note: POLYP STROMAL TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 456

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040768

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	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Cortex	Hypertrophy	Focal, Mild
Clitoral Gland		Adenoma	
		Cyst	Moderate
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Edema	Moderate
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-1]		
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 457

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040769

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	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Minimal
		Inflammation	Granulomatous, Multiple, Mild
Nose	Submucosa	Pigmentation	Mild
Ovary		Cyst	Mild
Skin	Subcut Tiss	Lipoma	
Note: LIPOMA TGLs = 1-21			
Tissue NOS			
Note: TGL 1-21 IS SKIN/SUBCUTIS.			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 458

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Skin
Thymus
Uterus

Brain
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Spleen
Thyroid Gland

Esophagus
Intestine Small - Duodenum
Lung
Parathyroid Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland
Bone
Note: HYPEROSTOSIS TGLs = 2-21

Cortex
Calvarium

Accessory Adrenal Cortical Nodule
Hyperostosis

Mild

Clitoral Gland
Harderian Gland
Heart
Kidney
Note: PIGMENT TGLs = 1-5-1

Renal Tubule

Cyst
Hemorrhage
Inflammation
Nephropathy
Pigmentation

Mild
Moderate
Chronic, Mild
Chronic, Mild
Mild

Liver

Bile Duct

Basophilic Focus
Eosinophilic Focus

Multiple, Minimal
Mild

Lymph Node
Mammary Gland
Nose
Pituitary Gland
[Adenoma TGLS = 3-1-1]

Mandibular

Submucosa
Pars Distalis

Hyperplasia
Inflammation
Cyst
Hyperplasia
Pigmentation
Adenoma

Minimal
Granulomatous, Multiple, Moderate
Multiple, Mild
Lobular, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 459

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 6-22	Calvarium	Hyperostosis	Mild
Clitoral Gland Note: ADENOMA TGLs = 2-8-2		Adenoma	
Heart Note: INFLAMMATION TGLs = 8-5-1		Inflammation	Chronic, Mild
Kidney	Renal Tubule	Nephropathy Pigmentation	Chronic, Mild Mild
Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation	Multiple, Mild Minimal Granulomatous, Multiple, Minimal
Lymph Node Note: ANGIECTASIS TGLs = 4-5-2	Mesenteric	Angiectasis	Moderate
Mammary Gland Note: CYST TGLs = 1-8 Note: HYPERPLASIA TGLs = 1-8	Duct	Cyst Hyperplasia	Mild Lobular, Mild
Mesentery Note: NECROSIS TGLs = 3-21	Fat	Necrosis	Focal, Mild
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland [Adenoma TGLS = 7-1-1]	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 459

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040771

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 460

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040772

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
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Clitoral Gland		Adenoma	
	Bilateral	Cyst	Moderate
Note: ADENOMA	TGLs = 2-8-2		
Note: CYST	TGLs = 2-8-2		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
Lymph Node			
Note: RECUT FOR MEDIASTINAL LN-TISSUE IS MISSING.			
Mammary Gland	Duct	Cyst	Mild
Note: CYST	TGLs = 1-8		
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 4-1]			
Spleen		Pigmentation	Moderate
Thyroid Gland	C Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 461

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040773

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 Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-21		
Note: CYST	TGLs = 2-8		
Nose	Submucosa	Pigmentation	Mild
Pancreas	Acinar Cell	Hyperplasia	Mild
Spleen		Leukemia Mononuclear	
Tissue NOS			
Note: TGL 1-21 IS MAMMARY GLAND.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 462

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Clitoral Gland		Cyst	Mild
		Hyperplasia	Focal, Mild
Heart		Inflammation	Chronic, Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Minimal
		Leukemia Mononuclear	
Note: EARLY LEUKEMIA.			
Lung		Infiltration Cellular	Histiocyte, Multiple, Mild
Mammary Gland	Duct	Cyst	Mild
		Fibroadenoma	
Note: CYST TGLs = 1-8,2-21			
Note: FIBROADENOMA TGLs = 2-21			
Mesentery		Hemangiosarcoma	
	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 5-22			
Note: HEMANGIOSARC TGLs = 5-22			
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 462	TRT#: 15 DOSE: 0.0222%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: A86040774
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: EARLY LEUKEMIA. Stomach Tissue NOS	Epithelium, Forestomach	Hyperplasia	Minimal
Note: TGL 2-21 IS MAMMARY GLAND. Uterus		Dilatation Polyp Stromal	Moderate
Note: POLYP STROMAL TGLs = 4-7-1 Note: DILATATION TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 463

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040775

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

Spleen

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Hypertrophy

Focal, Moderate

Cortex

Vacuolization Cytoplasmic

Focal, Mild

Clitoral Gland

Cyst

Moderate

Heart

Inflammation

Chronic, Mild

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Moderate

Bile Duct

Hyperplasia

Mild

Inflammation

Granulomatous, Multiple, Minimal

Mixed Cell Focus

Mild

Mammary Gland

Hyperplasia

Lobular, Mild

Nose

Submucosa

Pigmentation

Mild

Pancreas

Acinar Cell

Atrophy

Mild

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-1]

Thymus

Cyst

Multiple, Mild

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 464

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040776

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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Myelofibrosis	Mild
Clitoral Gland		Cyst	Moderate
Note: CYST	TGLs = 3-8		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 2-22		
Nose	Submucosa	Pigmentation	Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-21		
Spleen		Inflammation	Granulomatous, Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Tissue NOS			
Note: TGL 1-21 IS SKIN/SUBCUTIS.			
Note: TGL 2-22 IS MAMMARY GLAND.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 465

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040777

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	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Eye		Cataract	Marked
	Retina	Degeneration	Moderate
Note: CATARACT	TGLs = 1-21		
Note: DEGEN	TGLs = 1-21		
Heart		Inflammation	Chronic, Mild
Kidney		Cyst	Moderate
	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Mild
Note: CYST	TGLs = 2-22		
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Nose	Submucosa	Pigmentation	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 466

TRT#: 15

SEX: Female

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040778

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	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA	TGLs = 6-21,8-22		
Note: LEUKEMIA MONUC	TGLs = 7-6-1		
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
Mammary Gland	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Minimal
Ovary		Cyst	Moderate
		Thecoma Benign	
Note: CYST	TGLs = 3-7-1		
Note: THECOMA BGN	TGLs = 3-7-1		
Pancreas	Acinar Cell	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 466	TRT#: 15 DOSE: 0.0222%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO: A86040778
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen Note: LEUKEMIA MONUC TGLs = 4-6	Leukemia Mononuclear	
Uterus Note: DILATATION TGLs = 1-7 Note: POLYP STROMAL TGLs = 2-7	Dilatation Polyp Stromal	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 467

TRT#: 15

SEX: Female

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040779

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
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Clitoral Gland		Cyst	Mild
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Hepatodiaphragmatic Nodule	Moderate
		Inflammation	Granulomatous, Multiple, Minimal
Note: HDN	TGLs = 1-21		
Mammary Gland	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 468

TRT#: 15

SEX: Female

DAY ON TEST: 646

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040780

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	Lymph Node - Mandibular	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 11-10		
Note: LEUKEMIA MONUC	TGLs = 11-10		
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Cyst	Mild
Note: CYST	TGLs = 1-8		
Heart		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Angiectasis	Moderate
	Mesenteric	Leukemia Mononuclear	
Note: ANGIECTASIS	TGLs = 8-23		
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Mild
Note: HYPERPLASIA	TGLs = 2-8		
Note: CYST	TGLs = 2-8		
Nose	Submucosa	Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 468

TRT#: 15

SEX: Female

DAY ON TEST: 646

DOSE: 0.0222%

DISP: Moribund Sacrifice

HISTO: A86040780

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland [Adenoma TGLS = 12-1,13-1]	Pars Distalis	Adenoma	
Spleen		Fibrosis Leukemia Mononuclear	Focal, Mild
Note: LEUKEMIA MONUC TGLs = 9-6 Note: FIBROSIS TGLs = 10-24			
Uterus	Endometrium	Abscess Hyperplasia Leiomyosarcoma Polyp Stromal	Marked Cystic, Moderate
Note: ABSCESS TGLs = 4-8 Note: LEIOMYOSAR TGLs = 6-22 Note: POLYP STROMAL TGLs = 5-21 Note: HYPERPLASIA TGLs = 7-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 469

TRT#: 15

SEX: Female

DAY ON TEST: 735

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040781

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	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-21		
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Mammary Gland	Duct	Cyst	Mild
Nose	Submucosa	Pigmentation	Mild
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA	TGLs = 2-3		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 470

TRT#: 15

SEX: Female

DAY ON TEST: 732

DOSE: 0.0222%

DISP: Terminal Sacrifice

HISTO: A86040782

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	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Brain		Compression	Marked
[Compression TGLS = 4-1]			
Heart		Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Minimal
		Mixed Cell Focus	Multiple, Moderate
		Vacuolization Cytoplasmic	Moderate
Note: VACUOLIZ CYTO	TGLs = 2-21		
Mammary Gland	Duct	Cyst	Moderate
Note: CYST	TGLs = 1-8		
Nose	Submucosa	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Stomach	Epithelium, Forestomach	Hyperplasia	Marked
	Forestomach	Inflammation	Chronic, Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/20/2014

Time Report Requested: 05:23:45

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 471

TRT#: 16

SEX: Female

DAY ON TEST: 456

DOSE: 0.0222% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86037051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Nephropathy

Chronic, Mild

Liver

Basophilic Focus

Multiple, Minimal

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 1-1]

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 472	TRT#: 16	SEX: Female	DAY ON TEST: 458
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Urinary Bladder
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OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Multiple, Minimal
Mesentery	Fat	Inflammation	Granulomatous, Focal, Moderate
Note: INFLAMMATION	TGLs = 1-21		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
Uterus		Dilatation	Mild
	Endometrium	Hyperplasia	Cystic, Mild
Note: DILATATION	TGLs = 2-7		
Note: HYPERPLASIA	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 473	TRT#: 16	SEX: Female	DAY ON TEST: 457
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Urinary Bladder	Uterus
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Multiple, Minimal
Nose	Submucosa	Pigmentation	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 474	TRT#: 16	SEX: Female	DAY ON TEST: 458
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Urinary Bladder
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OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Multiple, Minimal
		Clear Cell Focus	Minimal
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 1-21		
Nose	Submucosa	Pigmentation	Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Uterus	Cervix	Abscess	Moderate
	Cervix	Cyst	Moderate
Note: CYST	TGLs = 2-7-1		
Note: ABSCESS	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 475	TRT#: 16	SEX: Female	DAY ON TEST: 457
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Urinary Bladder	Uterus
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OBSERVATIONS

Clitoral Gland		Cyst	Moderate
Note: CYST	TGLs = 1-8-1		
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple, Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Nose	Submucosa	Pigmentation	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 476	TRT#: 16	SEX: Female	DAY ON TEST: 457
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Kidney	Urinary Bladder	Uterus
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OBSERVATIONS

Liver	Basophilic Focus	Multiple, Minimal
	Inflammation	Granulomatous, Multiple, Minimal
Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 477	TRT#: 16	SEX: Female	DAY ON TEST: 456
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Urinary Bladder	Uterus
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Multiple, Minimal
	Bile Duct	Hyperplasia	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Mild

Urin Bladder

Note: URINARY BLADDER IS ON SLIDE 8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 478	TRT#: 16	SEX: Female	DAY ON TEST: 457
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Urinary Bladder	Uterus
----------------	-----------------	--------

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Multiple, Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
Note: CYST	TGLs = 1-1		
Spleen		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 479	TRT#: 16	SEX: Female	DAY ON TEST: 458
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Stomach - Glandular	Urinary Bladder	Uterus
OBSERVATIONS			
Kidney	Renal Tubule	Mineralization Nephropathy	Mild Chronic, Mild
Liver		Basophilic Focus Inflammation	Multiple, Minimal Granulomatous, Multiple, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy Pigmentation	Minimal Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: o-Nitroanisole
CAS Number: 91-23-6

Date Report Requested: 10/20/2014
Time Report Requested: 05:23:45
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 480	TRT#: 16	SEX: Female	DAY ON TEST: 456
	DOSE: 0.0222% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86037060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Urinary Bladder	Uterus
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OBSERVATIONS

Clitoral Gland Note: CYST TGLs = 2-8.1		Cyst	Mild
Kidney	Renal Tubule	Mineralization Nephropathy Inflammation	Minimal Chronic, Minimal Granulomatous, Multiple, Minimal
Liver		Adenoma	
Pituitary Gland [Adenoma TGLS = 1-1]	Pars Distalis		
Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Moderate

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****