

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

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: 05092-03

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: A86040108
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen	Ureter	Urinary Bladder	
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OBSERVATIONS

Epididymis		Depletion Cellular	Mild
Heart	Atrium	Dilatation Inflammation	Mild Chronic, Moderate
Note: DILATATION TGLs = 7-5-1			
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Nephropathy Pigmentation	Chronic, Marked Minimal
[Nephropathy TGLS = 3-5]			
Liver	Bile Duct	Basophilic Focus Hyperplasia	Multiple, Mild Mild
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN TGLs = 4-2,4-2-1			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ATROPHY TGLs = 2-7			
Note: ADENOMA TGLs = 1-7			
Thymus		Thymoma Benign	
[Thymoma Benign TGLS = 6-21]			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

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: A86040109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter Urinary Bladder

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Heart		Inflammation	Chronic, Mild
	Atrium	Thrombosis	Marked
Note: THROMBUS	TGLs = 8-5-1		
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Chronic, Moderate
Liver	Bile Duct	Pigmentation	Minimal
		Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-6		
Note: HYPERPLASIA	TGLs = 7-6		
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: PANCREATIC LYMPH NODE	TGL-6 IS MISSING		
Note: LEUKEMIA MONUC	TGLs = 9-3-1		
Preputial Gland	Bilateral	Adenoma	
		Inflammation	Suppurative, Moderate
Note: ADENOMA	TGLs = 1-8		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6-1		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 639
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: A86040110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Epididymis	Urinary Bladder		

MISSING			
Ureter			

OBSERVATIONS			
Kidney		Leukemia Mononuclear Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-8-1		
	[Leukemia Mononuclear TGLS = 5-3-1]		
	[Leukemia Mononuclear TGLS = 4-5-1]		
	[Leukemia Mononuclear TGLS = 6-21]		
	[Leukemia Mononuclear TGLS = 7-22]		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1,6-2		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Minimal
Note: ADENOMA	TGLs = 2-7-1,8-7		

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: A86040111
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Ureter	Urinary Bladder	
OBSERVATIONS			
Adrenal Gland Note: PHEOCHROM BGN TGLs = 5-10	Bilateral, Medulla	Pheochromocytoma Benign	
Epididymis		Depletion Cellular	Marked
Heart		Inflammation	Chronic, Moderate
	Atrium	Thrombosis	Moderate
[Inflammation TGLS = 6-5-1,7-5-1]			
Kidney	Transit Epithe Pelvis	Hyperplasia Mineralization Nephropathy	Mild Minimal Chronic, Marked
Liver	Renal Tubule	Pigmentation Basophilic Focus Clear Cell Focus	Minimal Multiple, Mild Multiple, Mild
	Bile Duct	Hyperplasia Inflammation	Mild Granulomatous, Multiple, Minimal
Lymph Node	Mediastinal Mesenteric	Hemorrhage Hemorrhage	Marked Mild
[Hemorrhage TGLS = 8-3-1] [Hemorrhage TGLS = 4-5-1]			
Mammary Gland Note: FIBROADENOMA TGLs = 1-21 Note: TISSUE NOS ON SLIDE 21 IS MAMMARY GLAND		Fibroadenoma	
Pancreas Note: PANCREATIC LYMPH NODE ON SLIDE 22 IS PANCREATIC ARTERY [Polyarteritis TGLS = 9-22]		Polyarteritis	Moderate
Seminal Vesicle Note: ATROPHY TGLs = 3-7		Atrophy	Moderate
Spleen		Congestion Hematopoietic Cell Proliferation	Mild Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: A86040111
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ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
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Note: ADENOMA TGLs = 2-7-1

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 564 HISTO: A86040112
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Ureter	Urinary Bladder	
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OBSERVATIONS

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-6		
Note: HYPERPLASIA	TGLs = 5-6		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-2		
Lymph Node	Mandibular	Hemorrhage	Mild
	Pancreatic	Hemorrhage	Mild
	Mediastinal	Leukemia Mononuclear	
Note: HEMORRHAGE	TGLs = 4-21		
Note: LEUKEMIA MONUC	TGLs = 6-3-1		
	[Leukemia Mononuclear TGLs = 1-8-1]		
Preputial Gland	Duct	Cyst	Mild
Note: CYST	TGLs = 8-22		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA	TGLs = 2-7		

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 648

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86040113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter Urinary Bladder

OBSERVATIONS

Epididymis Depletion Cellular Moderate

Kidney Leukemia Mononuclear

Pelvis Mineralization Minimal

Renal Tubule Nephropathy Chronic, Moderate

Liver Bile Duct Pigmentation Minimal

Hyperplasia Moderate

Lung Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-2] Leukemia Mononuclear

Lymph Node Inguinal Fibrosarcoma

Inguinal Leukemia Mononuclear

Mandibular Leukemia Mononuclear

Mediastinal Leukemia Mononuclear

Mesenteric Leukemia Mononuclear

Pancreatic Leukemia Mononuclear

Note: FIBROSARC TGLs = 2-21

[Leukemia Mononuclear TGLS = 7-3]

[Leukemia Mononuclear TGLS = 3-22]

[Leukemia Mononuclear TGLS = 2-8]

[Leukemia Mononuclear TGLS = 6-5-1]

[Leukemia Mononuclear TGLS = 1-8-1]

Spleen Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 9-6-1,9-6-2

Testes Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

Note: ADENOMA TGLs = 4-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 590 HISTO: A86040114
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Ureter	Urinary Bladder	
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OBSERVATIONS

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Mild
Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Minimal
Note: ADENOMA	TGLs = 1-7-1		
Tooth		Adamantinoma Malignant	
Note: TISSUE NOS ON SLIDE 21 TGL-2 IS ADAMANTINOMA-TOOTH			
Note: ADAMANTIN MAL	TGLs = 2-21		

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: A86040115
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Ureter	Urinary Bladder		
OBSERVATIONS			
Epididymis		Depletion Cellular	Marked
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
Liver	Renal Tubule	Pigmentation	Minimal
		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Mild
	Bile Duct	Eosinophilic Focus	Multiple, Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Alveolus	Leukemia Mononuclear	
		Pigmentation	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma	
		Atrophy	Marked
<p>Note: LEUKEMIA MONUC TGLs = 2-6</p> <p>[Pigmentation TGLS = 3-2]</p> <p>Note: LEUKEMIA MONUC TGLs = 1-6-1</p> <p>Note: ADENOMA TGLs = 4-7-1</p>			
PRIMARY CAUSE OF DEATH		-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: A86040116
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter	Urinary Bladder
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OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver	Renal Tubule	Pigmentation	Minimal
		Basophilic Focus	Multiple, Mild
	Clear Cell Focus	Multiple, Minimal	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
		[Hemorrhage TGLS = 3-3-1]	
Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-21		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma	
		Atrophy	Marked
Note: ADENOMA	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter Urinary Bladder

OBSERVATIONS

Bone	Turbinate	Osteoma	
Note: OSTEOMA TGLs = 5-9-1			
Epididymis		Depletion Cellular	Marked
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Nodular, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6-1			
[Leukemia Mononuclear TGLS = 4-6-1]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 1-7			
Note: ATROPHY TGLs = 2-7			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain Urinary Bladder

MISSING

Ureter

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Chronic, Marked
		Pigmentation	Minimal
[Nephropathy TGLS = 4-5]			
Liver		Basophilic Focus	Multiple, Mild
		Clear Cell Focus	Multiple, Mild
		Eosinophilic Focus	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
[Clear Cell Focus TGLS = 5-23]			
Lymph Node	Mediastinal	Angiectasis	Mild
	Pancreatic	Angiectasis	Mild
	Renal	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 7-26			
Note: ANGIECTASIS TGLs = 9-25			
Note: ANGIECTASIS TGLs = 6-24			
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 3-22			
Spleen		Congestion	Moderate
		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
Note: FIBROSIS TGLs = 2-21			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040118

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Bilateral, Interstit Cell
Seminif Tub

Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 582

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86040119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Glandular

Ureter

Urinary Bladder

OBSERVATIONS

Epididymis

Depletion Cellular

Mild

Kidney

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Mild

Pigmentation

Mild

Liver

Renal Tubule

Hyperplasia

Mild

Bile Duct

Hyperplasia

Nodular, Moderate

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-6-1

[Leukemia Mononuclear TGLS = 6-6-1]

Lymph Node

Pancreatic

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-21

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 7-1]

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-6

Stomach

Forestomach

Ulcer

Multiple, Mild

Note: ULCER TGLs = 8-22

Testes

Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 3-7

Note: HYPERPLASIA TGLs = 3-7

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Ureter

Urinary Bladder

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Kidney

Nephropathy

Chronic, Moderate

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Mild

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Lung

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-2-1]

Lymph Node

Mediastinal

Leukemia Mononuclear

Renal

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-21]

[Leukemia Mononuclear TGLS = 4-2]

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 6-1]

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 1-6

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Note: ADENOMA TGLs = 2-7

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter Urinary Bladder

OBSERVATIONS

Epididymis		Depletion Cellular	Moderate
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Multiple, Mild
Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Moderate
	[Inflammation TGLS = 3-2-1]		
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
	Note: HYPERPLASIA TGLs = 4-5		
Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-1]		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Note: ADENOMA TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter Urinary Bladder

OBSERVATIONS

Brain		Compression	Moderate
[Compression TGLS = 6-1-1]			
Epididymis		Depletion Cellular	Marked
Kidney	Transit Epithe	Hyperplasia	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Marked
	Renal Tubule	Pigmentation	Minimal
[Nephropathy TGLS = 4-5-1]			
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Moderate
Pituitary Gland	Pars Intermed	Adenoma	
[Adenoma TGLS = 5-1]			
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY TGLs = 3-7			
Spleen		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 2-7			
Note: ATROPHY TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

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: A86040123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Glandular

Ureter

Urinary Bladder

OBSERVATIONS

Brain

Compression

Marked

[Compression TGLS = 8-1]

Epididymis

Depletion Cellular

Marked

Kidney

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Marked

Pigmentation

Minimal

Note: NEPHROPATHY TGLs = 6-5

Liver

Eosinophilic Focus

Mild

Bile Duct

Hyperplasia

Mild

Vacuolization Cytoplasmic

Mild

Lymph Node

Deep Cervical

Angiectasis

Moderate

Mediastinal

Angiectasis

Moderate

[Angiectasis TGLS = 11-26]

[Angiectasis TGLS = 9-3-1]

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 7-1]

Preputial Gland

Atrophy

Moderate

Inflammation

Suppurative, Marked

Necrosis

Marked

[Inflammation TGLS = 4-24]

[Necrosis TGLS = 4-24]

Skin

Subcut Tiss

Fibroma

Keratoacanthoma

Squamous Cell Papilloma

Note: FIBROMA TGLs = 3-23

Note: PAPHILLOMA SQUA TGLs = 2-22

Note: KERATOACANTHMA TGLs = 1-21

Spleen

Congestion

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

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: A86040123

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Epithelium, Forestomach Forestomach Forestomach	Depletion Lymphoid	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
		Hyperplasia	Marked
		Inflammation	Suppurative, Marked
		Ulcer	Marked
Note: ULCER IS ON SLIDE 4			
Note: HYPERPLASIA TGLs = 10-25			
Testes	Interstit Cell Seminif Tub Interstit Cell	Adenoma	
		Atrophy	Marked
		Hyperplasia	Mild
Note: ATROPHY TGLs = 5-7			
Tissue NOS			
Note: TGL 1-21 IS SKIN,TGL 2-22 IS SKIN,TGL 3-23 IS SKIN			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

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: A86040124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter Urinary Bladder

OBSERVATIONS

Epididymis		Depletion Cellular	Moderate
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
[Nephropathy TGLS = 2-5]			
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multiple, Minimal
[Eosinophilic Focus TGLS = 3-21]			
Spleen		Congestion	Moderate
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

Note: ADENOMA TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter Urinary Bladder

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney	Transit Epithe	Hyperplasia	Minimal
	Pelvis	Mineralization	Minimal
Liver	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
	Bile Duct	Clear Cell Focus	Multiple, Mild
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6		
Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-21		
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6-1		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: 0.0%

DISP: Natural Death

HISTO: A86040126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter Urinary Bladder

OBSERVATIONS

Epididymis		Depletion Cellular	Moderate
Heart	Atrium	Congestion Inflammation	Marked Chronic, Mild
Note: CONGESTION	TGLs = 10-5-1		
Kidney	Pelvis	Mineralization Nephropathy	Minimal Chronic, Moderate
Liver		Eosinophilic Focus Hepatodiaphragmatic Nodule	Multiple, Mild Marked
	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
Note: HDN	TGLs = 8-24		
Lymph Node	Mandibular Mediastinal Pancreatic	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear	TGLS = 11-25]		
[Leukemia Mononuclear	TGLS = 12-8-1]		
[Leukemia Mononuclear	TGLS = 9-3-1]		
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 7-23		
Nose	Lumen Lumen	Hyperkeratosis Inflammation	Marked Suppurative, Marked
Note: INFLAMMATION	TGLs = 13-9-1		
Note: HYPERKERATOSIS	TGLs = 13-9-1		
Skin		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 1-21		
Spleen		Fibrosis Leukemia Mononuclear	Focal, Moderate
Note: FIBROSIS	TGLs = 6-22		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: 0.0%

DISP: Natural Death

HISTO: A86040126

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 5-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Note: ADENOMA TGLs = 3-7-1

Note: ATROPHY TGLs = 4-7-1

Tissue NOS

Note: TGL 1-21 IS SKIN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 707

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86040127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Ureter

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Leukemia Mononuclear

Cortex

Vacuolization Cytoplasmic

Mild

Note: LEUKEMIA MONUC TGLs = 6-10

Brain

Hemorrhage

Multiple, Moderate

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 15-1-1]

Epididymis

Depletion Cellular

Moderate

Kidney

Leukemia Mononuclear

Nephropathy

Chronic, Moderate

Pigmentation

Minimal

Renal Tubule

Note: LEUKEMIA MONUC TGLs = 7-21,8-22

Liver

Bile Duct

Hyperplasia

Mild

Hyperplasia

Nodular, Moderate

Leukemia Mononuclear

Note: HYPERPLASIA TGLs = 10-6

Note: LEUKEMIA MONUC TGLs = 10-6

Lung

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 12-2,13-2-1

Lymph Node

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 11-5

Note: LEUKEMIA MONUC TGLs = 16-3-1

[Leukemia Mononuclear TGLs = 5-7]

[Leukemia Mononuclear TGLs = 2-8-1]

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 707

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86040127

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 14-1]

[Leukemia Mononuclear TGLS = 14-1]

Preputial Gland

Duct

Atrophy

Moderate

Cyst

Moderate

Note: CYST TGLs = 1-8

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 9-6-1

Stomach

Glandular

Erosion

Multiple, Mild

Forestomach

Ulcer

Mild

Note: ULCER TGLs = 17-23

Testes

Bilateral, Interstit Cell

Adenoma

Moderate

Seminif Tub

Atrophy

Note: ATROPHY TGLs = 4-7-1

Note: ADENOMA TGLs = 3-7-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 2

SEX: Male

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney
Spleen

Nephropathy
Pigmentation

Chronic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 2

SEX: Male

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Kidney

Liver

Testes

Ureter

Urinary Bladder

OBSERVATIONS

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 2

SEX: Male

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Kidney

Testes

Ureter

OBSERVATIONS

Liver
Spleen

Hepatocyte

Necrosis
Pigmentation

Multiple, Moderate
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 2

SEX: Male

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Kidney

Testes

Ureter

OBSERVATIONS

Liver
Spleen

Necrosis
Pigmentation

Focal, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 2

SEX: Male

DAY ON TEST: 87

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Kidney

Testes

Ureter

OBSERVATIONS

Liver
Spleen

Hematopoietic Cell Proliferation
Pigmentation

Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 2

SEX: Male

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney
Spleen

Nephropathy
Pigmentation

Chronic, Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 2

SEX: Male

DAY ON TEST: 87

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Kidney

Liver

Testes

MISSING

Ureter

Urinary Bladder

OBSERVATIONS

Spleen

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 2

SEX: Male

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Testes

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Minimal

Liver

Hepatodiaphragmatic Nodule

Mild

Note: HDN TGLs = 1-21

Spleen

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 2

SEX: Male

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney
Prostate
Spleen

Nephropathy
Adenoma
Pigmentation

Minimal

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 2

SEX: Male

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Kidney

Testes

Ureter

OBSERVATIONS

Liver
Spleen

Hepatodiaphragmatic Nodule
Pigmentation

Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 3

SEX: Male

DAY ON TEST: 191

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Liver

Spleen

Testes

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Renal Tubule

Nephropathy

Pigmentation

Chronic, Minimal

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 3

SEX: Male

DAY ON TEST: 190

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Kidney

Liver

Spleen

Testes

Ureter

Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 3

SEX: Male

DAY ON TEST: 191

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Liver

Spleen

Testes

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Renal Tubule

Nephropathy

Pigmentation

Chronic, Minimal

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 3

SEX: Male

DAY ON TEST: 190

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Kidney

Liver

Spleen

Testes

Ureter

Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 3

SEX: Male

DAY ON TEST: 190

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Liver

Spleen

Testes

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 3

SEX: Male

DAY ON TEST: 191

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Kidney

Liver

Spleen

Ureter

Urinary Bladder

OBSERVATIONS

Testes

Degeneration

Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 3

SEX: Male

DAY ON TEST: 190

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Liver

Spleen

Testes

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 3

SEX: Male

DAY ON TEST: 191

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Kidney

Liver

Spleen

Testes

Ureter

Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 3

SEX: Male

DAY ON TEST: 191

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Kidney

Liver

Spleen

Testes

Ureter

Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 3

SEX: Male

DAY ON TEST: 190

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Kidney

Liver

Spleen

Testes

Ureter

Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 4

SEX: Male

DAY ON TEST: 274

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Liver

Testes

Urinary Bladder

OBSERVATIONS

Kidney

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Spleen

Pigmentation

Moderate

Ureter

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 4

SEX: Male

DAY ON TEST: 274

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Testes

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Minimal

Hepatodiaphragmatic Nodule

Mild

Bile Duct

Hyperplasia

Minimal

Note: HDN TGLs = 1-21

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 4

SEX: Male

DAY ON TEST: 275

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Preputial Gland

Testes

Ureter

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Bile Duct

Hyperplasia

Minimal

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 4

SEX: Male

DAY ON TEST: 275

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Testes

Ureter

Urinary Bladder

OBSERVATIONS

Eye

Cataract

Mild

Note: CATARACT TGLs = 1-21

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Inflammation

Granulomatous, Multiple, Minimal

Mesentery

Fat

Necrosis

Focal, Marked

Note: NECROSIS TGLs = 2-22

Spleen

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 45	TRT#: 4	SEX: Male	DAY ON TEST: 274
	DOSE: 0.0% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Testes	Ureter	Urinary Bladder
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Minimal
Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 46	TRT#: 4	SEX: Male	DAY ON TEST: 274
	DOSE: 0.0% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Testes	Ureter	Urinary Bladder
OBSERVATIONS			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 4

SEX: Male

DAY ON TEST: 274

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Nephropathy
Pigmentation
Pigmentation

Chronic, Minimal
Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 48	TRT#: 4	SEX: Male	DAY ON TEST: 275
	DOSE: 0.0% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Testes	Ureter	Urinary Bladder
OBSERVATIONS			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 4

SEX: Male

DAY ON TEST: 275

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Testes

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Bile Duct

Hyperplasia

Minimal

Spleen

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 50	TRT#: 4	SEX: Male	DAY ON TEST: 274
	DOSE: 0.0% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Epididymis	Testes	Ureter	Urinary Bladder
OBSERVATIONS			
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 5

SEX: Male

DAY ON TEST: 455

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Bile Duct

Hyperplasia

Minimal

Inflammation

Granulomatous, Multiple, Minimal

Spleen

Congestion

Mild

Testes

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 5

SEX: Male

DAY ON TEST: 455

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Ureter

Urinary Bladder

OBSERVATIONS

Ear

Note: SKIN FIBROSIS-EAR (TGL 1-21)

Kidney

Renal Tubule

Nephropathy

Chronic, Mild

Pigmentation

Minimal

Liver

Bile Duct

Basophilic Focus

Multiple, Minimal

Hyperplasia

Minimal

Vacuolization Cytoplasmic

Minimal

Skin

Epidermis

Fibrosis

Focal, Moderate

Note: FIBROSIS TGLs = 1-21

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Hyperplasia

Mild

Testes

Bilateral, Interstit Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 5

SEX: Male

DAY ON TEST: 455

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Eosinophilic Focus

Minimal

Bile Duct

Hyperplasia

Minimal

Inflammation

Granulomatous, Multiple, Minimal

Lung

Alveolar/Bronchiolar Adenoma

Note: ALV BRON ADEN TGLs = 1-2-1

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-1]

Spleen

Pigmentation

Moderate

Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Bile Duct

Hyperplasia

Minimal

Inflammation

Granulomatous, Multiple, Minimal

Vacuolization Cytoplasmic

Mild

Spleen

Congestion

Mild

Pigmentation

Mild

Testes

Interstitial Cell

Adenoma

Interstitial Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Ureter

Stomach - Forestomach
Urinary Bladder

Stomach - Glandular

Testes

OBSERVATIONS

Kidney

Renal Tubule

Nephropathy

Chronic, Mild

Pigmentation

Minimal

Liver

Basophilic Focus

Minimal

Spleen

Bile Duct

Hyperplasia

Mild

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Spleen

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Minimal

Clear Cell Focus

Minimal

Bile Duct

Hyperplasia

Minimal

Testes

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 5

SEX: Male

DAY ON TEST: 455

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Bile Duct

Hyperplasia

Minimal

Inflammation

Granulomatous, Multiple, Minimal

Vacuolization Cytoplasmic

Minimal

Spleen

Congestion

Mild

Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Minimal

Bile Duct

Hyperplasia

Mild

Inflammation

Granulomatous, Multiple, Minimal

Mesentery

Fat

Necrosis

Focal, Mild

Note: NECROSIS

TGLs = 2-21

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Testes

Interstit Cell

Adenoma

Note: ADENOMA

TGLs = 1-7

Interstit Cell

Hyperplasia

Mild

Note: HYPERPLASIA

TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 5

SEX: Male

DAY ON TEST: 455

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Tongue	Ureter	Urinary Bladder
OBSERVATIONS			
Heart Note: CONGESTION TGLs = 5-23	Atrium	Congestion	Moderate
Kidney	Pelvis	Mineralization Nephropathy	Minimal Chronic, Mild
Liver	Renal Tubule Bile Duct	Pigmentation Hyperplasia Inflammation Vacuolization Cytoplasmic	Minimal Minimal Granulomatous, Multiple, Mild Minimal
Lymph Node Note: HYPERPLASIA TGLs = 6-5	Mesenteric	Hyperplasia	Lymphoid, Mild
Skin Note: PAPILLOMA SQUA TGLs = 1-21		Squamous Cell Papilloma	
Spleen		Congestion Hematopoietic Cell Proliferation Pigmentation	Mild Mild Mild
Testes Note: ADENOMA TGLs = 2-7,3-7	Bilateral, Interstit Cell	Adenoma	
PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 5

SEX: Male

DAY ON TEST: 410

DOSE: 0.0% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Ureter
Urinary Bladder			

MISSING

Tooth

OBSERVATIONS

Heart	Atrium	Congestion	Moderate
Note: CONGESTION TGLs = 6-22			
Kidney	Pelvis	Inflammation	Suppurative, Mild
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 2-8 [Hyperplasia TGLS = 7-23]			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 3-21			
Spleen		Pigmentation	Moderate
Testes	Bilateral, Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 11

SEX: Male

DAY ON TEST: 298

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A86036185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum
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OBSERVATIONS

Intestine Large [Polyp Adenomatous TGLS = 7-22]	Colon	Polyp Adenomatous	Multiple
Kidney [Hydronephrosis TGLS = 6-21]	Renal Tubule	Hydronephrosis Pigmentation	Marked Minimal
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen	Capsule	Hematopoietic Cell Proliferation	Moderate
	Capsule	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
Note: INFLAMMATION TGLs = 5-6 Note: HYPERTROPHY TGLs = 5-6			
Testes Note: ATROPHY TGLs = 1-7	Seminif Tub	Atrophy	Moderate
Ureter [Dilatation TGLS = 2-46]		Dilatation	Moderate
Urinary Bladder	Transit Epithe	Carcinoma	
	Wall	Metaplasia Proliferation Connective Tissue Squamous Cell Carcinoma	Squamous, Moderate Marked
Note: METAPL TGLs = 3-8-1 Note: PROLF CON TISS TGLs = 3-8-1 [Metaplasia TGLS = 4-8-1] [Proliferation Connective Tissue TGLS = 4-8-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 11

SEX: Male

DAY ON TEST: 277

DOSE: 1.80%

DISP: Natural Death

HISTO: A86036186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Rectum	Liver	Stomach - Forestomach
Stomach - Glandular	Testes		

OBSERVATIONS

Intestine Large	Colon	Carcinoma	
	Cecum	Dilatation	Marked
	Colon	Polyp Adenomatous	Multiple
[Dilatation TGLS = 6-21]			
[Polyp Adenomatous TGLS = 5-21]			
Kidney		Hydronephrosis	Marked
	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
[Hydronephrosis TGLS = 3-5]			
Lymph Node	Mesenteric	Fibrosis	Moderate
[Fibrosis TGLS = 4-5]			
Spleen		Congestion	Mild
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
Ureter		Dilatation	Mild
[Dilatation TGLS = 1-46]			
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Marked
	Wall	Proliferation Connective Tissue	Moderate
		Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 2-8-1

Note: CARCINOMA TGLs = 2-8-1

Note: PROLF CON TISS TGLs = 2-8-1

Note: METAPL TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 11

SEX: Male

DAY ON TEST: 292

DOSE: 1.80%

DISP: Natural Death

HISTO: A86036187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Stomach - Glandular

Intestine Large - Cecum
Ureter

Intestine Large - Rectum

Stomach - Forestomach

OBSERVATIONS

Intestine Large
Kidney

Colon
Transit Epithe
Pelvis

Carcinoma
Hyperplasia
Mineralization

Mild
Minimal

Liver
Spleen

Renal Tubule
Hepatocyte, Kupffer Cell

Pigmentation
Pigmentation
Congestion
Depletion Lymphoid

Mild
Minimal
Mild
Mild

Testes
Urinary Bladder

Capsule
Capsule
Seminif Tub
Transit Epithe

Hypertrophy
Inflammation
Atrophy
Carcinoma
Metaplasia
Squamous Cell Papilloma

Mild
Chronic, Mild
Mild
Squamous, Marked

Note: CARCINOMA TGLs = 1-8-1

Note: METAPL TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 11

SEX: Male

DAY ON TEST: 300

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A86036188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Stomach - Glandular
Ureter			

OBSERVATIONS

Intestine Large	Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 3-21			
Kidney	Transit Epithe	Hyperplasia	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Chronic, Mild
[Nephropathy TGLS = 2-5]		Pigmentation	Mild
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Prostate		Adenoma	
Spleen		Congestion	Mild
	Capsule	Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
Stomach	Forestomach	Inflammation	Chronic, Minimal
	Forestomach	Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 4-22,5-22		Ulcer	Moderate
Note: ULCER TGLs = 4-22,5-22			
Testes	Seminif Tub	Atrophy	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
	Wall	Metaplasia	Squamous, Mild
Note: CARCINOMA TGLs = 1-8,1-8-1		Proliferation Connective Tissue	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 11

SEX: Male

DAY ON TEST: 219

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Colon

OBSERVATIONS

Epididymis

Depletion Cellular

Moderate

Intestine Large

Epithelium, Rectum

Hyperplasia

Minimal

Kidney

Pelvis

Dilatation

Moderate

Renal Tubule

Nephropathy

Chronic, Mild

Pigmentation

Moderate

Note: DILATATION TGLs = 4-5

[Nephropathy TGLS = 3-5]

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Moderate

Spleen

Congestion

Mild

Depletion Lymphoid

Minimal

Hematopoietic Cell Proliferation

Moderate

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Moderate

Pigmentation

Mild

Testes

Seminif Tub

Atrophy

Moderate

Ureter

Dilatation

Mild

Note: MUCOSA NORMAL. DILATATION SEEN GROSSLY DUE TO DILATATION OF

Note: RENAL PELVIS WHICH WAS A RESULT OF BLADDER LESIONS.

Urinary Bladder

Transit Epithe

Carcinoma

Hemorrhage

Marked

Metaplasia

Squamous, Moderate

Wall

Proliferation Connective Tissue

Moderate

Sarcoma

Note: SARCOMA TGLs = 2-8,2-8-1,2-8-2

Note: CARCINOMA TGLs = 2-8,2-8-1,2-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 11

SEX: Male

DAY ON TEST: 298

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A86036189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Intestine Large - Cecum

Stomach - Glandular

Ureter

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

Rectum

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 4-22

Note: POLYP ADENOMAT TGLs = 3-21

Kidney

Renal Tubule

Pigmentation

Mild

Liver

Hematopoietic Cell Proliferation

Mild

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Spleen

Fibrosis

Mild

Hematopoietic Cell Proliferation

Marked

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Note: INFLAMMATION TGLs = 2-6

Note: HYPERTROPHY TGLs = 2-6

Stomach

Forestomach

Squamous Cell Papilloma

Note: PAPILOMA SQUA TGLs = 5-23

Testes

Seminif Tub

Atrophy

Minimal

Urinary Bladder

Transit Epithe

Carcinoma

Metaplasia

Squamous, Mild

Note: CARCINOMA TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 11

SEX: Male

DAY ON TEST: 249

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Ureter
OBSERVATIONS			
Intestine Large Note: POLYP ADENOMAT TGLs = 2-21	Colon	Polyp Adenomatous	Multiple
Kidney	Transit Epithe Renal Tubule Renal Tubule	Hyperplasia Mineralization Nephropathy Pigmentation	Mild Mild Chronic, Minimal Moderate
Liver	Hepatocyte, Kupffer Cell	Inflammation Pigmentation	Granulomatous, Multiple, Mild Mild
Prostate		Inflammation	Suppurative, Mild
Spleen		Congestion Depletion Lymphoid	Mild Minimal
	Capsule Capsule	Hypertrophy Inflammation Pigmentation	Moderate Chronic, Moderate Mild
Note: PIGMENT TGLs = 3-6 Note: INFLAMMATION TGLs = 3-6 Note: HYPERTROPHY TGLs = 3-6 Note: DEPLET LYMPH TGLs = 3-6			
Testes	Seminif Tub	Atrophy	Mild
Ureter Note: ONLY 1 URETER FOUND.			
Urethra Note: URETHRA ON SLIDE 7	Transit Epithe	Hyperplasia	Mild
Urinary Bladder	Transit Epithe Wall	Carcinoma Metaplasia Proliferation Connective Tissue	Squamous, Marked Mild
Note: PROLF CON TISS TGLs = 1-8-1 Note: CARCINOMA TGLs = 1-8-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 11

SEX: Male

DAY ON TEST: 249

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034467

ORGAN AND ACCOUNTABLE SITE STATUS

Note: METAPL TGLs = 1-8-1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 11

SEX: Male

DAY ON TEST: 228

DOSE: 1.80%

DISP: Natural Death

HISTO: A85034294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Ureter

Intestine Large - Cecum

Intestine Large - Rectum

Testes

OBSERVATIONS

Intestine Large
Note: POLYP ADENOMAT TGLs = 3-21

Colon

Polyp Adenomatous

Multiple

Kidney

Transit Epithe
Pelvis

Hydronephrosis
Hyperplasia
Mineralization
Nephropathy

Moderate
Moderate
Mild
Chronic, Mild

Transit Epithe
Renal Tubule
Hepatocyte, Kupffer Cell

Papilloma
Pigmentation
Pigmentation
Depletion Lymphoid
Hematopoietic Cell Proliferation

Moderate
Mild
Mild
Moderate

Liver
Spleen

Capsule
Capsule

Hypertrophy
Inflammation
Pigmentation

Moderate
Moderate
Chronic, Mild
Minimal

Urinary Bladder

Transit Epithe

Carcinoma
Hemorrhage
Metaplasia
Proliferation Connective Tissue

Moderate
Squamous, Marked
Moderate

Note: CARCINOMA TGLs = 1-8-1,1-8-2

Note: PROLF CON TISS TGLs = 1-8-1,1-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 11

SEX: Male

DAY ON TEST: 266

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Intestine Large

Colon, Epithelium

Hyperplasia

Moderate

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 2-21

Note: HYPERPLASIA TGLs = 2-21

Kidney

Renal Tubule

Nephropathy

Chronic, Mild

Pigmentation

Mild

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Mild

Pigmentation

Mild

Spleen

Congestion

Moderate

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Moderate

Pigmentation

Mild

Testes

Seminif Tub

Atrophy

Minimal

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Suppurative, Mild

Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Mild

Note: PROLF CON TISS TGLs = 1-8-1

Note: METAPL TGLs = 1-8-1

Note: INFLAMMATION TGLs = 1-8-1

Note: CARCINOMA TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 11

SEX: Male

DAY ON TEST: 256

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Ureter

Intestine Large - Cecum

Intestine Large - Rectum

Testes

OBSERVATIONS

Intestine Large
Note: POLYP ADENOMAT TGLs = 3-21

Colon

Polyp Adenomatous

Multiple

Kidney

Transit Epithe
Transit Epithe

Carcinoma
Hyperplasia
Infarct

Moderate
Mild

Pelvis

Mineralization
Nephropathy

Mild

Chronic, Minimal

Renal Tubule

Pigmentation
Inflammation

Moderate

Granulomatous, Multiple, Mild

Liver

Hepatocyte, Kupffer Cell

Pigmentation
Congestion

Mild

Mild

Spleen

Capsule
Capsule

Fibrosis
Hypertrophy
Inflammation
Pigmentation

Mild

Moderate

Chronic, Moderate

Mild

Note: HYPERTROPHY TGLs = 2-6

Note: FIBROSIS TGLs = 2-6

Note: INFLAMMATION TGLs = 2-6

Urinary Bladder

Transit Epithe

Carcinoma
Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Moderate

Note: METAPL TGLs = 1-8-1

Note: PROLF CON TISS TGLs = 1-8-1

Note: CARCINOMA TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 11

SEX: Male

DAY ON TEST: 238

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Intestine Large

Colon, Epithelium

Hyperplasia

Moderate

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 4-22

Note: HYPERPLASIA TGLs = 4-22

Kidney

Transit Epithe

Carcinoma

Transit Epithe

Hyperplasia

Mild

Infarct

Marked

Pelvis

Mineralization

Mild

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Moderate

[Carcinoma TGLs = 3-5]

[Hyperplasia TGLs = 3-5,2-21]

[Pigmentation TGLs = 2-21]

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Spleen

Depletion Lymphoid

Moderate

Hematopoietic Cell Proliferation

Moderate

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Testes

Seminif Tub

Atrophy

Moderate

Urinary Bladder

Transit Epithe

Carcinoma

Metaplasia

Squamous, Moderate

Wall

Proliferation Connective Tissue

Moderate

Note: PROLF CON TISS TGLs = 1-8

Note: CARCINOMA TGLs = 1-8

Note: METAPL TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 11

SEX: Male

DAY ON TEST: 248

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum
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OBSERVATIONS

Intestine Large	Colon	Hemorrhage	Moderate
	Colon	Intussusception	
	Colon	Polyp Adenomatous	Multiple
Note: INTUSSUSCEPTN	TGLs = 6-22		
Note: POLYP ADENOMAT	TGLs = 6-22,7-23		
Kidney	Transit Epithe	Carcinoma	
		Hydronephrosis	Moderate
	Transit Epithe	Hyperplasia	Moderate
	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
	Renal Tubule	Regeneration	Moderate
Note: HYDRONEPHROSIS	TGLs = 3-5		
Liver		Hepatodiaphragmatic Nodule	Moderate
		Inflammation	Granulomatous, Multiple, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: HDN	TGLs = 5-21		
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Mild
Note: INFILTRAT CELL	TGLs = 8-2		
Lymph Node	Bronchial	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 9-24		
Note: HYPERPLASIA	TGLs = 10-25		
Spleen		Congestion	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Mild
Note: HYPERTROPHY	TGLs = 2-6		
Note: INFLAMMATION	TGLs = 2-6		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 11

SEX: Male

DAY ON TEST: 248

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034470

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Seminif Tub	Atrophy	Minimal
Ureter		Dilatation	Moderate
Note: DILATATION TGLs = 1-46			
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Marked
		Sarcoma	
Note: PROLF CON TISS TGLs = 4-8-1			
Note: SARCOMA TGLs = 4-8-1			
Note: METAPL TGLs = 4-8-1			
Note: CARCINOMA TGLs = 4-8-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 11

SEX: Male

DAY ON TEST: 268

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Ureter
OBSERVATIONS			
Intestine Large	Colon, Epithelium	Hyperplasia	Moderate
	Colon	Intussusception	
	Colon	Polyp Adenomatous	Multiple
Note: HYPERPLASIA TGLs = 2-21			
Note: POLYP ADENOMAT TGLs = 2-21			
Note: INTUSSUSCEPTN TGLs = 1-21			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Eosinophilic Focus	Minimal
		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Mild
Testes	Seminif Tub	Atrophy	Minimal
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Mild
Note: METAPL TGLs = 3-8-1			
Note: CARCINOMA TGLs = 3-8-1			
PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 74	TRT#: 11 DOSE: 1.80%	SEX: Male DISP: Natural Death	DAY ON TEST: 335 HISTO: A86036190
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Ureter

OBSERVATIONS

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Granulomatous, Multiple, Minimal
Spleen		Congestion	Mild
		Depletion Lymphoid	Mild
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
Testes	Seminif Tub	Atrophy	Minimal
Urinary Bladder	Transit Epithe	Carcinoma	

Note: CARCINOMA TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 11

SEX: Male

DAY ON TEST: 242

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 7-23

Kidney

Hydronephrosis

Marked

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Renal Tubule

Regeneration

Moderate

Note: HYDRONEPHROSIS TGLs = 4-5

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Lymph Node

Mediastinal

Hyperplasia

Lymphoid, Moderate

Note: HYPERPLASIA TGLs = 9-3

Mesentery

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Note: SQUAM CEL CARC TGLs = 5-22

Spleen

Congestion

Mild

Depletion Lymphoid

Moderate

Fibrosis

Mild

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Moderate

Pigmentation

Moderate

Note: FIBROSIS TGLs = 8-6

Note: HYPERTROPHY TGLs = 8-6

Note: INFLAMMATION TGLs = 8-6

Testes

Seminif Tub

Atrophy

Minimal

Tissue NOS

Note: TISSUE NOS IS MESENTERY.

Ureter

Dilatation

Mild

Note: DILATATION TGLs = 3-46

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 11

SEX: Male

DAY ON TEST: 242

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034471

ORGAN AND ACCOUNTABLE SITE STATUS

Wall

Metaplasia

Squamous, Marked

Proliferation Connective Tissue

Marked

Squamous Cell Carcinoma

Note: INFLAMMATION TGLs = 2-21

Note: SQUAM CEL CARC TGLs = 2-21

Note: CARCINOMA TGLs = 2-21

Note: PROLF CON TISS TGLs = 2-21

Note: METAPL TGLs = 2-21

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 11

SEX: Male

DAY ON TEST: 277

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A86036191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Ureter

Intestine Large - Cecum

Intestine Large - Rectum

Testes

OBSERVATIONS

Intestine Large
[Polyp Adenomatous TGLS = 2-21]

Colon

Polyp Adenomatous

Kidney

Pelvis

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Mild

Pigmentation

Mild

Spleen

Congestion

Minimal

Depletion Lymphoid

Minimal

Hematopoietic Cell Proliferation

Minimal

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Pigmentation

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Squamous, Moderate

Wall

Proliferation Connective Tissue

Marked

Sarcoma

Squamous Cell Papilloma

Note: PAPILLOMA SQUA TGLs = 1-8

Note: CARCINOMA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 11

SEX: Male

DAY ON TEST: 211

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum
Intestine Small - Jejunum

Intestine Large - Rectum
Stomach - Glandular

Intestine Small - Duodenum
Ureter

Intestine Small - Ileum

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Intestine Large	Colon, Serosa	Inflammation	Chronic, Moderate
	Colon	Intussusception	
	Colon	Parasite Metazoan	Moderate
	Colon	Polyp Adenomatous	
	Colon, Wall	Proliferation Connective Tissue	Marked
Note: POLYP ADENOMAT TGLs = 5-21			
Note: INTUSSUSCEPTN TGLs = 5-21			
Note: INFLAMMATION TGLs = 5-21			
Kidney	Transit Epithe	Hyperplasia	Moderate
		Infarct	Mild
	Pelvis	Mineralization	Mild
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
	Renal Tubule	Regeneration	Moderate
[Nephropathy TGLS = 2-5]			
Liver	Hepatocyte	Hypertrophy	Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Spleen		Congestion	Mild
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
Testes	Seminif Tub	Atrophy	Moderate
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 11

SEX: Male

DAY ON TEST: 211

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034295

ORGAN AND ACCOUNTABLE SITE STATUS

Wall

Proliferation Connective Tissue

Mild

Note: METAPL TGLs = 1-8

Note: PROLF CON TISS TGLs = 1-8

Note: CARCINOMA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 11

SEX: Male

DAY ON TEST: 217

DOSE: 1.80%

DISP: Natural Death

HISTO: A85034296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Seminal Vesicle

Testes

OBSERVATIONS

Epididymis

Depletion Cellular

Mild

Intestine Large

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 5-4

Note: POLYP IS ON SLIDE #4 TGL 5-4 NOT 5-21

Kidney

Transit Epithe

Carcinoma

Renal Tubule

Dilatation

Moderate

Transit Epithe

Hyperplasia

Minimal

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Liver

Hepatocyte

Hypertrophy

Minimal

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Spleen

Congestion

Mild

Depletion Lymphoid

Mild

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Marked

Pigmentation

Moderate

Ureter

Dilatation

Moderate

Urinary Bladder

Transit Epithe

Carcinoma

Hemorrhage

Moderate

Inflammation

Suppurative, Marked

Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Mild

Note: CARCINOMA TGLs = 2-8-1

Note: PROLF CON TISS TGLs = 2-8-1

Note: METAPL TGLs = 2-8-1

Note: INFLAMMATION TGLs = 2-8-1

Note: HEMORRHAGE TGLs = 3-8-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 11

SEX: Male

DAY ON TEST: 217

DOSE: 1.80%

DISP: Natural Death

HISTO: A85034296

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 11

SEX: Male

DAY ON TEST: 158

DOSE: 1.80%

DISP: Natural Death

HISTO: A85033768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

MISSING

Penis

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Mineralization	Mild
	Papilla	Necrosis	Marked
	Renal Tubule	Necrosis	Marked
	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 1-5]			
Liver	Hepatocyte	Necrosis	Multifocal, Moderate
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
		Vacuolization Cytoplasmic	Mild
Spleen		Congestion	Mild
		Depletion Lymphoid	Marked
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Moderate
Testes	Seminif Tub	Atrophy	Marked
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
		Sarcoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 11

SEX: Male

DAY ON TEST: 254

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Ureter
OBSERVATIONS			
Intestine Large	Colon	Hemorrhage	Marked
	Colon, Epithelium	Hyperplasia	Moderate
	Colon	Intussusception	
Note: INTUSSUSCEPTN TGLs = 3-21			
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
Note: INFLAMMATION TGLs = 2-6			
Note: HYPERTROPHY TGLs = 2-6			
Testes	Seminif Tub	Atrophy	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Marked
		Squamous Cell Papilloma	
Note: METAPL TGLs = 1-8			
Note: PROLF CON TISS TGLs = 1-8			
Note: PAPILOMA SQUA TGLs = 1-8			
Note: CARCINOMA TGLs = 1-8			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 12

SEX: Male

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
Note: MALLORYS STAIN FOR IRON/MINIMAL [Nephropathy TGLs = 3-5]			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: MALLORYS STAIN FOR IRON/MILD Note: PIGMENT TGLs = 1-6			
Spleen		Congestion	Marked
		Depletion Lymphoid	Mild
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate
Note: MALLORYS STAIN FOR IRON/MARKED Note: CONGESTION TGLs = 2-6			
Testes		Atrophy	Moderate
Urinary Bladder		Degeneration	Marked
	Transit Epithe	Hyperplasia	Marked
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 12

SEX: Male

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 1-5]			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
[Pigmentation TGLS = 3-6]			
Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate
Note: CONGESTION TGLs = 2-6			
[Congestion TGLS = 2-6]			
Testes		Atrophy	Mild
		Degeneration	Mild
		Edema	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 12

SEX: Male

DAY ON TEST: 88

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye Ureter

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Marked

Note: MALLORYS STAIN FOR IRON/MINIMAL
[Pigmentation TGLS = 3-5]

Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Multifocal, Mild

Note: PIGMENT TGLs = 4-6

Note: MALLORYS STAIN FOR IRON/MILD

Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate

Note: MALLORYS STAIN FOR IRON/MARKED

Note: CONGESTION TGLs = 2-6
[Congestion TGLS = 2-6]

Testes		Atrophy	Mild
		Degeneration	Moderate
		Edema	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Subacute, Minimal
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 12

SEX: Male

DAY ON TEST: 88

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney	Renal Tubule	Pigmentation	Moderate
	[Pigmentation TGLS = 2-5]		
Liver	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Multifocal, Minimal
Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate
	Note: CONGESTION TGLs = 1-6		
	[Congestion TGLS = 1-6]		
Testes		Degeneration	Minimal
		Edema	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Marked
	Wall	Proliferation Connective Tissue	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 12

SEX: Male

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Moderate

[Pigmentation TGLS = 1-5]

Liver

Hepatocyte

Hypertrophy

Mild

Hepatocyte

Necrosis

Multifocal, Minimal

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Lung

Note: NOT REMARKABLE

Spleen

Congestion

Marked

Depletion Lymphoid

Moderate

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Mild

Pigmentation

Moderate

Note: CONGESTION TGLs = 2-6

[Congestion TGLS = 2-6]

Testes

Atrophy

Mild

Degeneration

Mild

Edema

Mild

Urinary Bladder

Transit Epithe

Hyperplasia

Marked

Inflammation

Subacute, Mild

Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 12

SEX: Male

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Marked
	[Nephropathy TGLS = 2-5]		
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Multifocal, Minimal
	Note: PIGMENT TGLs = 3-6		
Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate
	Note: CONGESTION TGLs = 1-6		
	[Congestion TGLS = 1-6]		
Testes		Atrophy	Mild
		Degeneration	Moderate
		Edema	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Marked
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Moderate
		Wall	Proliferation Connective Tissue

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 12

SEX: Male

DAY ON TEST: 88

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Moderate
	[Pigmentation TGLS = 1-5]		
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate
	Note: PIGMENT TGLs = 2-6		
	Note: CONGESTION TGLs = 2-6		
Testes		Atrophy	Moderate
		Degeneration	Moderate
		Edema	Mild
		Hyperplasia	Marked
Urinary Bladder	Transit Epithe	Inflammation	Subacute, Moderate
		Metaplasia	Squamous, Marked
		Wall	Proliferation Connective Tissue

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 12

SEX: Male

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Marked

Note: PIGMENT TGLs = 2-5

Liver

Hepatocyte

Hypertrophy

Mild

Hepatocyte

Necrosis

Multifocal, Minimal

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Note: PIGMENT TGLs = 3-6

Spleen

Congestion

Marked

Depletion Lymphoid

Moderate

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Moderate

Pigmentation

Moderate

Note: CONGESTION TGLs = 1-6

[Congestion TGLS = 1-6]

Testes

Atrophy

Mild

Degeneration

Moderate

Urinary Bladder

Transit Epithe

Hyperplasia

Marked

Inflammation

Subacute, Mild

Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 12

SEX: Male

DAY ON TEST: 88

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 2-5]			
Liver	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Note: PIGMENT TGLs = 3-6			
Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate
[Congestion TGLS = 1-6]			
[Pigmentation TGLS = 1-6]			
Testes		Atrophy	Mild
		Degeneration	Mild
		Edema	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Marked
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Mild
	Wall	Proliferation Connective Tissue	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 12

SEX: Male

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Moderate

[Pigmentation TGLS = 2-5]

Liver

Hepatocyte

Hypertrophy

Mild

Hepatocyte

Necrosis

Multifocal, Minimal

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Note: PIGMENT TGLs = 3-6

Spleen

Congestion

Marked

Depletion Lymphoid

Moderate

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Pigmentation

Moderate

Note: CONGESTION TGLs = 1-6

[Congestion TGLS = 1-6]

Testes

Atrophy

Mild

Degeneration

Moderate

Urinary Bladder

Transit Epithe

Hyperplasia

Marked

Inflammation

Subacute, Mild

Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 13

SEX: Male

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Intestine Large

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 6-22

Note: 6-22 IS ADENOMATOUS POLYP IN COLON.

Kidney

Nephropathy

Chronic, Mild

Pigmentation

Marked

Regeneration

Mild

[Pigmentation TGLS = 3-5]

Renal Tubule

Liver

Hepatocyte

Hypertrophy

Moderate

Hepatocyte

Necrosis

Multifocal, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Hepatocyte

Vacuolization Cytoplasmic

Minimal

Note: PIGMENT TGLs = 4-6

Lymph Node

Note: 5-21 IS MESENTERIC LYMPH NODE NOT A TUMOR.

Spleen

Congestion

Marked

Depletion Lymphoid

Marked

Fibrosis

Mild

Capsule

Hypertrophy

Marked

Capsule

Inflammation

Chronic, Moderate

Pigmentation

Mild

Note: CONGESTION TGLs = 2-6

Testes

Atrophy

Mild

Degeneration

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Subacute, Mild

Metaplasia

Squamous, Moderate

Wall

Proliferation Connective Tissue

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 13

SEX: Male

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033971

ORGAN AND ACCOUNTABLE SITE STATUS

Note: PROLF CON TISS TGLs = 1-8

Note: METAPL TGLs = 1-8

Note: CARCINOMA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 13

SEX: Male

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
	Renal Tubule	Regeneration	Mild
[Nephropathy TGLS = 3-5]			
Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte	Necrosis	Multifocal, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Note: PIGMENT TGLs = 4-6			
Spleen		Congestion	Moderate
		Depletion Lymphoid	Moderate
		Fibrosis	Mild
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Mild
Note: CONGESTION TGLs = 2-6			
Testes		Atrophy	Moderate
		Degeneration	Moderate
Urinary Bladder	Transit Epithe	Carcinoma	
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Marked
	Wall	Proliferation Connective Tissue	Mild
Note: PROLF CON TISS TGLs = 1-8			
Note: INFLAMMATION TGLs = 1-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 13

SEX: Male

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033972

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 1-8

Note: METAPL TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 13

SEX: Male

DAY ON TEST: 190

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033973

ORGAN AND ACCOUNTABLE SITE STATUS

MISSING

Ureter

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
	Renal Tubule	Regeneration	Mild
[Pigmentation TGLS = 3-5]			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Note: PIGMENT TGLs = 4-6			
Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Mild
[Congestion TGLS = 2-6]			
Testes		Atrophy	Moderate
		Degeneration	Mild
Ureter			
Note: BOTH MISSING.			
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Moderate
Note: CARCINOMA TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 13

SEX: Male

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Kidney

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Moderate

Renal Tubule

Regeneration

Minimal

[Pigmentation TGLS = 1-5]

Liver

Hepatocyte

Hypertrophy

Mild

Hepatocyte

Necrosis

Multifocal, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Note: PIGMENT TGLs = 4-6

Spleen

Congestion

Marked

Depletion Lymphoid

Moderate

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Moderate

Pigmentation

Mild

[Congestion TGLS = 2-6]

Testes

Atrophy

Moderate

Degeneration

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Squamous, Marked

Metaplasia

Sarcoma

Note: METAPL TGLs = 3-7

Note: TRICHROME STAIN URINARY BLADDER-NON-DIAGNOSTIC

Note: SECTION OF BLADDER ON SLIDE 7 AND 8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 13

SEX: Male

DAY ON TEST: 190

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Intestine Large

Colon, Epithelium

Hyperplasia

Mild

Kidney

Renal Tubule

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Moderate

Renal Tubule

Regeneration

Mild

[Pigmentation TGLS = 3-5]

Liver

Hepatocyte

Hypertrophy

Moderate

Hepatocyte

Necrosis

Multifocal, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Note: PIGMENT TGLs = 4-6

Spleen

Congestion

Marked

Depletion Lymphoid

Marked

Capsule

Hypertrophy

Marked

Capsule

Inflammation

Chronic, Moderate

Note: CONGESTION TGLs = 2-6

Testes

Atrophy

Moderate

Degeneration

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Cyst

Multiple

Inflammation

Subacute, Mild

Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Moderate

Note: CARCINOMA TGLs = 1-8

Note: METAPL TGLs = 1-8

Note: TRICHROME STAIN URINARY BLADDER-NON-DIAGNOSTIC

Note: PROLF CON TISS TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 13

SEX: Male

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Moderate
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
	Renal Tubule	Regeneration	Mild
[Pigmentation TGLs = 3-5]			
Liver	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Necrosis	Multifocal, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: PIGMENT TGLs = 4-6			
Spleen		Congestion	Marked
		Depletion Lymphoid	Marked
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
Note: CONGESTION TGLs = 2-6			
Testes		Atrophy	Mild
		Degeneration	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
		Inflammation	Subacute, Moderate
		Metaplasia	Squamous, Mild
	Wall	Proliferation Connective Tissue	Marked
Note: CARCINOMA TGLs = 1-8			
Note: METAPL TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 13

SEX: Male

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Moderate

Renal Tubule

Regeneration

Mild

[Pigmentation TGLs = 3-5]

Liver

Hepatocyte

Hypertrophy

Moderate

Hepatocyte

Necrosis

Multifocal, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Note: PIGMENT TGLs = 4-6

Spleen

Congestion

Marked

Depletion Lymphoid

Mild

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Mild

Pigmentation

Mild

Note: CONGESTION TGLs = 2-6

Testes

Atrophy

Moderate

Degeneration

Moderate

Urinary Bladder

Transit Epithe

Carcinoma

Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Moderate

Note: CARCINOMA TGLs = 1-8

Note: METAPL TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 13

SEX: Male

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Intestine Large

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 6-22,5-21

Kidney

Transit Epithe

Hyperplasia

Moderate

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Moderate

Renal Tubule

Regeneration

Mild

[Pigmentation TGLS = 3-5]

Liver

Hepatocyte

Hypertrophy

Moderate

Hepatocyte

Necrosis

Multifocal, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Hepatocyte

Vacuolization Cytoplasmic

Mild

Note: PIGMENT TGLs = 4-6

Spleen

Congestion

Marked

Depletion Lymphoid

Moderate

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Moderate

Pigmentation

Mild

Note: CONGESTION TGLs = 2-6

Testes

Atrophy

Moderate

Degeneration

Moderate

Ureter

Transit Epithe

Hyperplasia

Marked

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Subacute, Mild

Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Marked

Note: CARCINOMA TGLs = 1-8

Note: PROLF CON TISS TGLs = 1-8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 13

SEX: Male

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033978

ORGAN AND ACCOUNTABLE SITE STATUS

Note: METAPL TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 13

SEX: Male

DAY ON TEST: 190

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Kidney

Transit Epithe

Hyperplasia

Minimal

Renal Tubule

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Moderate

Regeneration

Mild

[Pigmentation TGLS = 2-5]

Liver

Hepatocyte

Hypertrophy

Moderate

Hepatocyte

Necrosis

Multifocal, Minimal

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Hepatocyte

Vacuolization Cytoplasmic

Mild

Note: PIGMENT TGLs = 4-6

Spleen

Congestion

Marked

Depletion Lymphoid

Moderate

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Moderate

Pigmentation

Minimal

Note: CONGESTION TGLs = 3-6

Testes

Atrophy

Mild

Degeneration

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Subacute, Mild

Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Moderate

Sarcoma

Note: METAPL TGLs = 1-8

Note: PROLF CON TISS TGLs = 1-8

Note: CARCINOMA TGLs = 1-8

Note: EARLY SARCOMA IN WALL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 13

SEX: Male

DAY ON TEST: 190

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033979

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 13

SEX: Male

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Kidney

Transit Epithe

Hyperplasia

Mild

Renal Tubule

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Moderate

Regeneration

Mild

Note: PIGMENT TGLs = 3-5

Liver

Hepatocyte

Hypertrophy

Mild

Hepatocyte

Necrosis

Multifocal, Minimal

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Hepatocyte

Vacuolization Cytoplasmic

Minimal

Note: PIGMENT TGLs = 4-6

Spleen

Congestion

Marked

Depletion Lymphoid

Moderate

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Mild

Pigmentation

Mild

Note: CONGESTION TGLs = 2-6

Testes

Atrophy

Moderate

Degeneration

Moderate

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Subacute, Mild

Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Moderate

Note: METAPL TGLs = 1-8

Note: PROLF CON TISS TGLs = 1-8

Note: CARCINOMA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 14

SEX: Male

DAY ON TEST: 275

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Intestine Large

Colon

Carcinoma

Colon

Parasite Metazoan

Moderate

Colon

Polyp Adenomatous

Multiple

Note: SECTION OF COLON ON SLIDE #4-POLYP.

Note: CARCINOMA TGLs = 2-21

Note: POLYP ADENOMAT TGLs = 2-21

Kidney

Transit Epithe

Carcinoma

Transit Epithe

Hyperplasia

Mild

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Inflammation

Granulomatous, Multiple, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Spleen

Congestion

Moderate

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Pigmentation

Minimal

Testes

Seminif Tub

Atrophy

Minimal

Ureter

Transit Epithe

Hyperplasia

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Metaplasia

Squamous, Mild

Wall

Proliferation Connective Tissue

Mild

Note: METAPL TGLs = 1-8-1

Note: CARCINOMA TGLs = 1-8-1

Note: PROLF CON TISS TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 14

SEX: Male

DAY ON TEST: 275

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Ureter

Intestine Large - Cecum

Intestine Large - Rectum

Testes

OBSERVATIONS

Intestine Large

Colon, Epithelium
Colon

Hyperplasia
Polyp Adenomatous

Moderate
Multiple

Note: POLYP ADENOMAT TGLs = 3-21

Kidney

Transit Epithe

Hyperplasia
Nephropathy

Moderate
Chronic, Mild

Transit Epithe
Renal Tubule

Papilloma
Pigmentation

Mild
Granulomatous, Multiple, Mild

Liver

Hepatocyte, Kupffer Cell

Pigmentation
Congestion

Mild
Mild

Spleen

Hematopoietic Cell Proliferation
Hypertrophy

Moderate
Mild

Capsule
Capsule

Inflammation

Chronic, Mild

Note: HEMA CELL PROL TGLs = 1-6

Urinary Bladder

Transit Epithe

Carcinoma
Inflammation

Suppurative, Moderate

Note: CARCINOMA TGLs = 2-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 14

SEX: Male

DAY ON TEST: 274

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

OBSERVATIONS

Kidney

Fibrosis
Hydronephrosis
Nephropathy
Pigmentation
Regeneration

Moderate
Marked
Chronic, Mild
Moderate
Moderate

Renal Tubule
Renal Tubule

Note: HYDRONEPHROSIS TGLs = 4-21
[Nephropathy TGLS = 4-21]

Liver
Spleen

Inflammation
Hematopoietic Cell Proliferation
Hypertrophy
Inflammation

Granulomatous, Multiple, Mild
Moderate
Mild
Chronic, Mild

Capsule
Capsule

Note: HEMA CELL PROL TGLs = 3-5
Note: HYPERTROPHY TGLs = 3-5
[Hematopoietic Cell Proliferation TGLS = 3-5]

Testes
Ureter

Seminif Tub

Atrophy
Dilatation

Minimal
Moderate

Note: DILATATION TGLs = 2-46

Urinary Bladder

Transit Epithe

Carcinoma
Inflammation
Proliferation Connective Tissue

Suppurative, Moderate
Marked

Wall

Note: CARCINOMA TGLs = 1-8
Note: PROLF CON TISS TGLs = 1-8
Note: INFLAMMATION TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 14

SEX: Male

DAY ON TEST: 263

DOSE: 1.80% 9 SSAC

DISP: Moribund Sacrifice

HISTO: A85034624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Epididymis

Depletion Cellular

Mild

Note: DEPLETION TGLs = 1-7

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 6-21

Kidney

Hydronephrosis

Mild

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Renal Tubule

Regeneration

Mild

Liver

Eosinophilic Focus

Multiple, Minimal

Inflammation

Granulomatous, Multiple, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Lung

Alveolar/Bronchiolar Adenoma

Note: ALV BRON ADEN TGLs = 7-2

Spleen

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Moderate

Pigmentation

Mild

Note: INFLAMMATION TGLs = 4-6

Note: HYPERTROPHY TGLs = 4-6

Testes

Seminif Tub

Atrophy

Mild

Note: ATROPHY TGLs = 1-7

Ureter

Dilatation

Mild

Note: DILATATION TGLs = 2-46

Urinary Bladder

Transit Epithe

Carcinoma

Marked

Hemorrhage

Squamous, Marked

Metaplasia

Wall

Proliferation Connective Tissue

Mild

Note: CARCINOMA TGLs = 3-8-1

Note: PROLF CON TISS TGLs = 3-8-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 14

SEX: Male

DAY ON TEST: 263

DOSE: 1.80% 9 SSAC

DISP: Moribund Sacrifice

HISTO: A85034624

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMORRHAGE TGLs = 3-8-1

Note: METAPL TGLs = 3-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 14

SEX: Male

DAY ON TEST: 218

DOSE: 1.80% 9 SSAC

DISP: Moribund Sacrifice

HISTO: A85034297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Glandular

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Hepatocyte	Hypertrophy	Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Mild
		Thrombosis	
Stomach	Epithelium, Forestomach	Hyperplasia	Mild
Testes	Seminif Tub	Atrophy	Minimal
Ureter		Dilatation	Minimal
Note: DILATATION	TGLs = 1-46		
Urinary Bladder	Transit Epithe	Carcinoma	
	Wall	Proliferation Connective Tissue	Moderate
Note: PROLF CON TISS	TGLs = 2-8-1		
Note: CARCINOMA	TGLs = 2-8-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 14

SEX: Male

DAY ON TEST: 274

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Minimal

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 3-21

Kidney

Transit Epithe

Hyperplasia

Mild

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Mild

Pigmentation

Minimal

Spleen

Congestion

Moderate

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Mild

Note: CONGESTION TGLs = 2-6

Testes

Seminif Tub

Atrophy

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Subacute, Mild

Metaplasia

Squamous, Mild

Wall

Proliferation Connective Tissue

Moderate

Note: PROLF CON TISS TGLs = 1-8-1

Note: METAPL TGLs = 1-8-1

Note: CARCINOMA TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 14

SEX: Male

DAY ON TEST: 247

DOSE: 1.80% 9 SSAC

DISP: Moribund Sacrifice

HISTO: A85034482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Testes	Ureter	
OBSERVATIONS			
Kidney	Transit Epithe	Carcinoma	
	Transit Epithe	Hyperplasia	Mild
Liver	Renal Tubule	Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
		Regeneration	Mild
		Inflammation	Granulomatous, Multiple, Mild
Spleen	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
		Congestion	Mild
		Depletion Lymphoid	Mild
		Hypertrophy	Moderate
Urinary Bladder	Capsule	Inflammation	Chronic, Minimal
	Capsule	Pigmentation	Mild
		Carcinoma	
		Metaplasia	Squamous, Moderate
Note: CARCINOMA	TGLs = 1-8		
Note: METAPL	TGLs = 1-8		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 14

SEX: Male

DAY ON TEST: 272

DOSE: 1.80% 9 SSAC

DISP: Natural Death

HISTO: A85034625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Testes

OBSERVATIONS

Kidney	Renal Tubule	Hydronephrosis	Minimal
	Renal Tubule	Mineralization	Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Liver		Pigmentation	Minimal
Spleen	Capsule	Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
Ureter		Dilatation	Moderate
Urinary Bladder	Transit Epithe	Carcinoma	
		Hemorrhage	Moderate
		Inflammation	Suppurative, Moderate
	Wall	Proliferation Connective Tissue	Mild

Note: INFLAMMATION TGLs = 1-8-1

Note: HEMORRHAGE TGLs = 1-8-1

Note: CARCINOMA TGLs = 1-8-1

Note: PROLF CON TISS TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 14

SEX: Male

DAY ON TEST: 274

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Testes

Intestine Large - Cecum
Ureter

Intestine Large - Rectum

Stomach - Glandular

OBSERVATIONS

Intestine Large
Kidney

Colon
Transit Epithe

Polyp Adenomatous
Carcinoma

Hydronephrosis

Marked

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Renal Tubule

Regeneration

Moderate

Note: HYDRONEPHROSIS TGLs = 2-5

Note: REGENERATION TGLs = 2-5

Note: CARCINOMA TGLs = 2-5

[Nephropathy TGLS = 2-5]

[Pigmentation TGLS = 2-5]

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Mild

Pigmentation

Mild

Spleen

Congestion

Moderate

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Minimal

Stomach

Epithelium, Forestomach

Hyperplasia

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Subacute, Moderate

Metaplasia

Squamous, Mild

Note: METAPL TGLs = 1-8-1

Note: CARCINOMA TGLs = 1-8-1

Note: INFLAMMATION TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 14

SEX: Male

DAY ON TEST: 274

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Testes	Ureter	
OBSERVATIONS Kidney [Nephropathy TGLS = 2-5] Liver Note: CYST TGLs = 3-21 Spleen Urinary Bladder Note: METAPL TGLs = 1-8 Note: PROLF CON TISS TGLs = 1-8 Note: CARCINOMA TGLs = 1-8 Note: INFLAMMATION TGLs = 1-8 Note: SQUAM CEL CARC TGLs = 1-8	Pelvis Pelvis Renal Tubule Hepatocyte, Kupffer Cell Capsule Capsule Transit Epithe Wall	Dilatation Mineralization Nephropathy Pigmentation Cyst Inflammation Pigmentation Congestion Hypertrophy Inflammation Carcinoma Inflammation Metaplasia Proliferation Connective Tissue Squamous Cell Carcinoma	Mild Mild Chronic, Minimal Minimal Granulomatous, Multiple, Mild Minimal Moderate Mild Chronic, Minimal Subacute, Mild Squamous, Marked Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 15

SEX: Male

DAY ON TEST: 210

DOSE: 1.80% 15 SSAC

DISP: Natural Death

HISTO: A85034298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

OBSERVATIONS

Kidney	Transit Epithe	Hemorrhage	Marked
		Hydronephrosis	Marked
	Renal Tubule	Pigmentation	Mild
	Renal Tubule	Regeneration	Mild
[Hemorrhage TGLs = 4-21]			
[Hydronephrosis TGLs = 4-21,5-21]			
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Prostate		Sarcoma	Metastatic (Urinary Bladder)
Spleen		Depletion Lymphoid	Marked
	Capsule	Hypertrophy	Marked
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate
Testes	Seminif Tub	Atrophy	Minimal
Ureter		Dilatation	Moderate
		Hemorrhage	Marked
		Inflammation	Chronic, Moderate
Note: DILATATION	TGLs = 2-46		
Urinary Bladder	Transit Epithe	Carcinoma	
	Transit Epithe	Hyperplasia	Moderate
		Metaplasia	Squamous, Mild
	Wall	Proliferation Connective Tissue	Moderate
		Sarcoma	

Note: HYPERPLASIA TGLs = 3-8

Note: METAPL TGLs = 3-8

Note: CARCINOMA TGLs = 3-8

Note: PROLF CON TISS TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 15

SEX: Male

DAY ON TEST: 216

DOSE: 1.80% 15 SSAC

DISP: Natural Death

HISTO: A85034299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Intestine Large	Colon, Epithelium	Hyperplasia	Moderate
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Prostate		Inflammation	Suppurative, Marked
Spleen		Depletion Lymphoid	Moderate
		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Mild
Testes	Seminif Tub	Atrophy	Mild
Ureter		Dilatation	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Moderate

Note: CARCINOMA TGLs = 1-21,2-21

Note: PROLF CON TISS TGLs = 1-21,2-21

Note: METAPL TGLs = 1-21,2-21

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 15

SEX: Male

DAY ON TEST: 218

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A85034300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 3-21

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Lymph Node

Iliac

Hyperplasia

Lymphoid, Moderate

Note: HYPERPLASIA TGLs = 4-22

Spleen

Hematopoietic Cell Proliferation

Marked

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Note: HEMA CELL PROL TGLs = 2-6

Testes

Seminif Tub

Atrophy

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Hemorrhage

Moderate

Metaplasia

Squamous, Mild

Note: METAPL TGLs = 1-8-1-2

Note: CARCINOMA TGLs = 1-8-1-2

PRIMARY CAUSE OF DEATH

-

Animal Note: ONLY 1 TESTIS & EPIDIDYMIS EXAMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 15

SEX: Male

DAY ON TEST: 233

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A85034301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Ureter

Intestine Large - Cecum

Intestine Large - Rectum

Testes

OBSERVATIONS

Intestine Large

Colon
Colon, Epithelium
Colon
Colon

Hemorrhage
Hyperplasia
Intussusception
Polyp Adenomatous

Marked
Marked

Multiple

Note: INTUSSUSCEPTN TGLs = 4-21
Note: POLYP ADENOMAT TGLs = 4-21
Note: HYPERPLASIA TGLs = 4-21

Kidney

Transit Epithe
Pelvis

Transit Epithe
Renal Tubule

Hyperplasia
Mineralization
Nephropathy
Papilloma
Pigmentation

Mild
Mild
Chronic, Mild

Mild

[Nephropathy TGLS = 3-5]

Liver

Hepatocyte
Hepatocyte, Kupffer Cell

Hypertrophy
Pigmentation
Depletion Lymphoid

Minimal
Mild
Mild

Spleen

Capsule

Hypertrophy
Inflammation
Pigmentation

Moderate
Chronic, Mild
Moderate

Note: INFLAMMATION TGLs = 2-6
Note: HYPERTROPHY TGLs = 2-6

Urinary Bladder

Transit Epithe

Carcinoma
Metaplasia

Squamous, Marked

Note: CARCINOMA TGLs = 1-8,1-8-1
Note: METAPL TGLs = 1-8,1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 15

SEX: Male

DAY ON TEST: 319

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Testes
OBSERVATIONS			
Intestine Large Note: POLYP ADENOMAT TGLs = 6-21	Colon	Polyp Adenomatous	
Kidney	Transit Epithe Pelvis Renal Tubule	Hydronephrosis Hyperplasia Mineralization Pigmentation	Marked Moderate Minimal Mild
Liver Note: HYDRONEPHROSIS TGLs = 4-5	Hepatocyte, Kupffer Cell	Inflammation Pigmentation	Granulomatous, Multiple, Minimal Minimal
Prostate	Epithelium	Hyperplasia Inflammation Squamous Cell Carcinoma	Marked Suppurative, Marked Metastatic (Urinary Bladder)
Seminal Vesicle Note: HYPERPLASIA TGLs = 3-7	Epithelium	Hyperplasia	Marked
Spleen	Capsule Capsule	Congestion Depletion Lymphoid Hypertrophy Inflammation Atrophy	Mild Minimal Mild Chronic, Mild Moderate
Thymus Note: ATROPHY TGLs = 7-3			
Ureter Note: DILATATION TGLs = 2-46		Dilatation	Mild
Urinary Bladder Note: CARCINOMA TGLs = 1-8-1,1-8-2	Transit Epithe	Carcinoma Metaplasia Sarcoma Squamous Cell Carcinoma Squamous Cell Papilloma	Squamous, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 15

SEX: Male

DAY ON TEST: 319

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036192

ORGAN AND ACCOUNTABLE SITE STATUS

Note: PAPILLOMA SQUA TGLs = 1-8-1,1-8-2

Note: SQUAM CEL CARC TGLs = 1-8-1,1-8-2

Note: SARCOMA TGLs = 1-8-1,1-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 15

SEX: Male

DAY ON TEST: 298

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Intestine Large - Cecum

Intestine Large - Rectum

Testes

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 7-21,7-22

Note: POLYP ALSO ON SLIDE 4-COLON.

Kidney

Bilateral

Hydronephrosis

Marked

Pelvis

Mineralization

Mild

Pelvis

Necrosis

Moderate

Renal Tubule

Pigmentation

Minimal

[Hydronephrosis TGLs = 4-5]

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Minimal

Pigmentation

Mild

Spleen

Capsule

Congestion

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Pigmentation

Mild

Note: INFLAMMATION TGLs = 3-5

Note: HYPERTROPHY TGLs = 3-5

Ureter

Dilatation

Moderate

Note: DILATATION TGLs = 1-46

Urinary Bladder

Transit Epithe

Carcinoma

Squamous, Moderate

Metaplasia

Marked

Wall

Proliferation Connective Tissue

Sarcoma

Note: PROLF CON TISS TGLs = 2-8-1

Note: CARCINOMA TGLs = 2-8-1

Note: METAPL TGLs = 2-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 15

SEX: Male

DAY ON TEST: 287

DOSE: 1.80% 15 SSAC

DISP: Natural Death

HISTO: A86036194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Testes

Intestine Large - Cecum
Ureter

Intestine Large - Rectum

Liver

OBSERVATIONS

Intestine Large

Colon
Colon, Epithelium
Colon

Carcinoma
Hyperplasia
Polyp Adenomatous

Marked
Multiple

Note: HYPERPLASIA TGLs = 2-21

Note: POLYP ADENOMAT TGLs = 2-21

Kidney

Transit Epithe
Pelvis

Hyperplasia
Mineralization
Nephropathy

Moderate
Minimal
Chronic, Minimal

Transit Epithe
Renal Tubule

Papilloma
Pigmentation

Mild

Spleen

Capsule
Capsule

Congestion
Hypertrophy
Inflammation

Mild
Mild
Chronic, Mild

Urinary Bladder

Transit Epithe

Carcinoma
Metaplasia

Squamous, Moderate

Note: CARCINOMA TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 15

SEX: Male

DAY ON TEST: 249

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A85034483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Testes
OBSERVATIONS			
Intestine Large	Colon	Carcinoma	Multiple
	Colon, Epithelium	Hyperplasia	Marked
	Colon	Polyp Adenomatous	Multiple
Note: POLYP ADENOMAT TGLs = 4-23			
Kidney		Hydronephrosis	Moderate
	Transit Epithe	Hyperplasia	Moderate
	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
[Hydronephrosis TGLS = 5-5]			
Liver		Inflammation	Granulomatous, Multiple, Moderate
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-22			
Prostate		Proliferation Connective Tissue	Marked
		Squamous Cell Carcinoma	Metastatic (Urinary Bladder)
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Mild
Ureter		Dilatation	Moderate
Note: DILATATION TGLs = 1-46			
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Marked
	Wall	Proliferation Connective Tissue	Moderate
		Squamous Cell Carcinoma	
Note: PROLF CON TISS TGLs = 2-21			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 15

SEX: Male

DAY ON TEST: 249

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A85034483

ORGAN AND ACCOUNTABLE SITE STATUS

Note: METAPL TGLs = 2-21

Note: CARCINOMA TGLs = 2-21

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 15

SEX: Male

DAY ON TEST: 236

DOSE: 1.80% 15 SSAC

DISP: Natural Death

HISTO: A85034484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Intestine Large - Rectum

Ureter

OBSERVATIONS

Intestine Large

Cecum

Dilatation

Marked

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 2-4

Note: DILATATION TGLs = 2-4

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Pigmentation

Moderate

Liver

Renal Tubule

Hypertrophy

Mild

Hepatocyte

Inflammation

Granulomatous, Multiple, Minimal

Spleen

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Congestion

Mild

Depletion Lymphoid

Moderate

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Minimal

Pigmentation

Mild

Testes

Seminif Tub

Atrophy

Mild

Thymus

Atrophy

Marked

Note: ATROPHY TGLs = 3-3

Ureter

Note: ONLY ONE URETER WAS PRESENT.

Urinary Bladder

Transit Epithe

Carcinoma

Squamous, Marked

Metaplasia

Multiple

Transit Epithe

Papilloma

Marked

Wall

Proliferation Connective Tissue

Note: PROLF CON TISS TGLs = 1-21

Note: CARCINOMA TGLs = 1-21

Note: PAPILOMA TGLs = 1-21

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 15

SEX: Male

DAY ON TEST: 236

DOSE: 1.80% 15 SSAC

DISP: Natural Death

HISTO: A85034484

ORGAN AND ACCOUNTABLE SITE STATUS

Note: METAPL TGLs = 1-21

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 15

SEX: Male

DAY ON TEST: 262

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A85034626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Lymph Node - Mesenteric
Testes	Ureter		

OBSERVATIONS

Intestine Large	Colon	Hemorrhage	Mild
	Colon, Epithelium	Hyperplasia	Moderate
	Colon	Intussusception	
	Colon	Necrosis	Mild
	Colon	Polyp Adenomatous	Multiple
Note: INTUSSUSCEPTN	TGLs = 5-22-1		
Note: NECROSIS	TGLs = 5-22-1		
Note: HEMORRHAGE	TGLs = 5-22-1		
Kidney	Transit Epithe	Carcinoma	
	Transit Epithe	Hyperplasia	Moderate
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Moderate
Note: MEDIASTINAL L.N. WAS NORMAL			
Note: HYPERPLASIA	TGLs = 3-21		
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
Note: HYPERTROPHY	TGLs = 2-6		
Note: INFLAMMATION	TGLs = 2-6		
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Mild
Note: PROLF CON TISS	TGLs = 1-8-1		
Note: CARCINOMA	TGLs = 1-8-1		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 15

SEX: Male

DAY ON TEST: 262

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A85034626

ORGAN AND ACCOUNTABLE SITE STATUS

Note: METAPL TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 21

SEX: Male

DAY ON TEST: 729

DOSE: 0.600%

DISP: Terminal Sacrifice

HISTO: A86040146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Colon

Intestine Large - Rectum

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Intestine Large	Cecum	Polyp Adenomatous	Multiple
[Polyp Adenomatous TGLs = 6-23]			
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Moderate
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Mild
Note: MIXED CL FOCUS TGLs = 7-24			
Lymph Node	Mesenteric	Cyst	Moderate
	Mesenteric	Edema	Moderate
Note: CYST TGLs = 4-21			
Note: EDEMA TGLs = 5-22			
Mammary Gland	Duct	Cyst	Marked
Note: CYST TGLs = 1-25			
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 2-7-1			
Tissue NOS			
Note: TGL 1-25 IS MAMMARY GLAND			
Ureter	Transit Epithe	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 21

SEX: Male

DAY ON TEST: 729

DOSE: 0.600%

DISP: Terminal Sacrifice

HISTO: A86040146

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA

TGLs = 3-26

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 21

SEX: Male

DAY ON TEST: 636

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040147

OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 11-24	Calvarium	Hyperostosis	Mild
Epididymis		Depletion Cellular	Marked
Heart Note: THROMBUS TGLs = 10-5-1	Atrium	Inflammation Thrombosis	Chronic, Mild Moderate
Kidney Note: CYST TGLs = 6-23 [Nephropathy TGLS = 7-5]	Cortex Transit Epithe Pelvis Renal Tubule Renal Tubule	Cyst Hyperplasia Mineralization Nephropathy Oncocytoma Benign Pigmentation	Marked Mild Mild Chronic, Marked Minimal
Liver Note: FIBROSIS TGLs = 9-22	Serosa Hepatocyte, Kupffer Cell	Fibrosis Pigmentation	Moderate Minimal
Preputial Gland Note: CARCINOMA TGLs = 1-21	Duct	Carcinoma Cyst	Moderate
Spleen Note: HYPERPLASIA TGLs = 12-25 Note: ABSCESS TGLs = 8-22	Capsule Forestomach Epithelium, Forestomach Glandular	Fibrosis Hematopoietic Cell Proliferation Hypertrophy Pigmentation Abscess Hyperplasia Mineralization	Moderate Moderate Mild Mild Marked Moderate Moderate
Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 21

SEX: Male

DAY ON TEST: 636

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040147

OBSERVATIONS

Note: ADENOMA TGLs = 3-7-1
Note: ATROPHY TGLs = 2-7-1
Note: HYPERPLASIA TGLs = 3-7-1

Interstit Cell

Hyperplasia

Mild

Tissue NOS
Note: TGL 8-22 IS STOMACH

Ureter

Dilatation

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 4-26,5-26-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 21

SEX: Male

DAY ON TEST: 618

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum
Stomach - Glandular

Intestine Small - Duodenum
Ureter

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Epididymis

Depletion Cellular

Moderate

Intestine Large

Colon

Polyp Adenomatous

Multiple

Rectum

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 11-24

Note: POLYP ADENOMAT TGLs = 12-25

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Moderate

Renal Tubule

Nephropathy

Chronic, Moderate

Pigmentation

Mild

Note: NEPHROPATHY TGLs = 5-5

[Nephropathy TGLS = 5-5]

Liver

Hepatodiaphragmatic Nodule

Moderate

Note: HDN TGLs = 6-22

Lymph Node

Pancreatic

Angiectasis

Mild

Mesenteric

Edema

Moderate

Mediastinal

Pigmentation

Mild

[Angiectasis TGLS = 14-28]

[Edema TGLS = 7-5-1]

[Pigmentation TGLS = 13-3-1]

Preputial Gland

Atrophy

Moderate

Duct

Cyst

Multiple, Moderate

Note: CYST TGLs = 1-27

Spleen

Hemangiosarcoma

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

Note: HEMANGIOSARC TGLs = 4-21

Stomach

Epithelium, Forestomach

Hyperplasia

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 21

SEX: Male

DAY ON TEST: 618

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040148

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 15-29]

Testes

Bilateral, Interstit Cell
Seminif Tub

Adenoma
Atrophy

Moderate

Note: ADENOMA TGLs = 2-7-1

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 3-26

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 21

SEX: Male

DAY ON TEST: 429

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Stomach - Forestomach
Stomach - Glandular	Ureter		

OBSERVATIONS

Intestine Large	Colon	Fibrosis	Moderate
	Colon	Polyp Adenomatous	Multiple
Note: POLYP ADENOMAT TGLs = 4-22			
Note: FIBROSIS TGLs = 5-21			
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Moderate
	Renal Tubule	Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 3-5		Pigmentation	Minimal
Note: EMBOLUS TUMOR-PRIMARY SITE URINARY BLADDER.			
Liver		Inflammation	Granulomatous, Multiple, Mild
Spleen		Congestion	Mild
		Pigmentation	Mild
Note: CONGESTION TGLs = 2-6			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 6-7			
Note: ADENOMA TGLs = 6-7			
Urinary Bladder	Transit Epithe	Carcinoma	
Note: CARCINOMA TGLs = 1-8-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 21

SEX: Male

DAY ON TEST: 275

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Testes

Ureter

OBSERVATIONS

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Moderate

Renal Tubule

Nephropathy

Chronic, Mild

Pigmentation

Minimal

Liver

Inflammation

Granulomatous, Multiple, Minimal

Skin

Subcut Tiss

Hemangiosarcoma

Multiple

Note: HEMANGIOSARC TGLs = 2-21,2-21-1,3-22

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Tissue NOS

Note: TISSUE NOS IS SKIN-SUBCUTIS.

Urinary Bladder

Transit Epithe

Carcinoma

Metaplasia

Squamous, Mild

Note: CARCINOMA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 21

SEX: Male

DAY ON TEST: 646

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Mesothelioma Malignant

Intestine Large

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 5-21

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Mild

Nephropathy

Chronic, Marked

Renal Tubule

Pigmentation

Mild

[Nephropathy TGLS = 4-5]

Liver

Basophilic Focus

Mild

Eosinophilic Focus

Mild

Bile Duct

Hyperplasia

Minimal

Inflammation

Granulomatous, Multiple, Mild

Mesentery

Mesothelioma Malignant

Thrombosis

Moderate

Note: THROMBUS TGLs = 5-21

Note: MESOTHELIO MAL TGLs = 3-24

Preputial Gland

Atrophy

Moderate

Duct

Cyst

Mild

Note: CYST TGLs = 6-23

Spleen

Congestion

Mild

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Tunic

Mesothelioma Malignant

Note: ADENOMA TGLs = 1-7-1

Urinary Bladder

Transit Epithe

Carcinoma

Mesothelioma Malignant

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 21

SEX: Male

DAY ON TEST: 646

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040149

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 21

SEX: Male

DAY ON TEST: 457

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Stomach - Glandular	Ureter

OBSERVATIONS

Intestine Large	Colon	Polyp Adenomatous	Multiple
Note: POLYP ADENOMAT TGLs = 6-22,7-23			
Kidney	Transit Epithe	Hyperplasia	Minimal
	Pelvis	Mineralization	Moderate
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
	Hepatocyte	Necrosis	Multiple, Moderate
Note: NECROSIS TGLs = 2-21			
Lymph Node	Mediastinal	Angiectasis	Moderate
	Mesenteric	Angiectasis	Moderate
[Angiectasis TGLs = 8-3-1]			
[Angiectasis TGLs = 9-5-1]			
Spleen	Capsule	Hypertrophy	Mild
		Pigmentation	Mild
Note: HYPERTROPHY TGLs = 1-6			
Stomach	Forestomach	Edema	Moderate
	Epithelium, Forestomach	Hyperplasia	Marked
[Hyperplasia TGLs = 10-4]			
Testes	Interstit Cell	Hyperplasia	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
	Transit Epithe	Papilloma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 21

SEX: Male

DAY ON TEST: 648

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Intestine Large - Colon

Ureter

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Benign

Note: ADRENAL GLAND-SMALL,ON SLIDE 21,IS NORMAL

Epididymis

Depletion Cellular

Marked

Intestine Large

Cecum

Edema

Mild

Rectum

Polyp Adenomatous

[Edema TGLS = 14-22]

Kidney

Transit Epithe

Carcinoma

Transit Epithe

Hyperplasia

Moderate

Pelvis

Mineralization

Moderate

Renal Tubule

Nephropathy

Chronic, Marked

Pigmentation

Minimal

Note: NEPHROPATHY TGLs = 10-5

Liver

Eosinophilic Focus

Multiple, Marked

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 11-6,12-6

Lung

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 16-2]

Lymph Node

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 17-7-2]

[Leukemia Mononuclear TGLS = 13-5-1]

[Leukemia Mononuclear TGLS = 15-3-1]

Pancreas

Edema

Moderate

Note: EDEMA TGLs = 8-7

Preputial Gland

Duct

Cyst

Mild

Note: CYST TGLs = 1-8-2

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 21

SEX: Male

DAY ON TEST: 648

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040151

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
Note: LEUKEMIA MONUC	TGLs = 7-6-1		
Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ATROPHY	TGLs = 4-7-1		
Note: ADENOMA	TGLs = 3-7-1		
Urinary Bladder	Transit Epithe Transit Epithe	Hyperplasia Papilloma	Mild Multiple
Note: HYPERPLASIA	TGLs = 6-8-3		
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 129

TRT#: 21

SEX: Male

DAY ON TEST: 512

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Colon
Ureter

Liver

Lymph Node - Mandibular

Spleen

OBSERVATIONS

Epididymis

Depletion Cellular

Mild

Intestine Large

Cecum

Parasite Metazoan

Mild

Rectum

Polyp Adenomatous

Multiple

[Parasite Metazoan TGLS = 7-21]

Kidney

Transit Epithe

Hyperplasia

Moderate

Pelvis

Mineralization

Moderate

Renal Tubule

Nephropathy

Chronic, Moderate

Pigmentation

Minimal

Note: NEPHROPATHY TGLs = 4-5

[Mineralization TGLS = 5-5]

[Nephropathy TGLS = 5-5]

Lymph Node

Note: MEDIASTINAL L.N. WAS NORMAL.

Note: CYSTIC BULBOURETHRAL GLAND

Note: TGL 11-22 IS NOT PANCREATIC LYMPH NODE-MAY BE

Prostate

Inflammation

Chronic, Moderate

Note: INFLAMMATION TGLs = 3-7

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

Note: ADENOMA TGLs = 1-7-1

Urethra

Bulboureth GI

Cyst

Multiple, Mild

Urinary Bladder

Transit Epithe

Carcinoma

Transit Epithe

Hyperplasia

Mild

Note: CARCINOMA TGLs = 2-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 21

SEX: Male

DAY ON TEST: 582

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node - Mandibular

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Mesothelioma Malignant

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Moderate

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Moderate

Note: PIGMENT TGLs = 6-5

Liver

Centrilobular

Degeneration

Moderate

Hematopoietic Cell Proliferation

Minimal

Bile Duct

Hyperplasia

Minimal

Note: DEGEN TGLs = 7-6

Lymph Node

Mediastinal

Pigmentation

Mild

Note: PIGMENT TGLs = 8-3-1

Mesentery

Mesothelioma Malignant

Note: MESOTHELIO MAL TGLs = 1-21

Pancreas

Mesothelioma Malignant

Note: MESOTHELIO MAL TGLs = 5-22

Spleen

Hematopoietic Cell Proliferation

Marked

Mesothelioma Malignant

Testes

Interstitial Cell

Adenoma

Seminif Tub

Atrophy

Marked

Interstitial Cell

Hyperplasia

Mild

Tunic

Mesothelioma Malignant

Note: ATROPHY TGLs = 3-7-1

Note: ADENOMA TGLs = 2-7-1

Urinary Bladder

Transit Epithe

Carcinoma

Mesothelioma Malignant

Note: CARCINOMA TGLs = 4-8-2

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 21

SEX: Male

DAY ON TEST: 582

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040153

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 21

SEX: Male

DAY ON TEST: 423

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Liver

Ureter

OBSERVATIONS

Epididymis

Mesothelioma Malignant

Intestine Large

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 5-22

Kidney

Transit Epithe

Hyperplasia

Minimal

Pelvis

Mineralization

Moderate

Renal Tubule

Nephropathy

Chronic, Mild

Mediastinal

Pigmentation

Minimal

Lymph Node

Mediastinal

Congestion

Moderate

Note: CONGESTION TGLs = 6-3

Note: PIGMENT TGLs = 6-3

Skeletal Muscle

Mesothelioma Malignant

Note: MESOTHELIO MAL TGLs = 3-21

Note: SKELETAL MUSCLE IS CREMASTER MUSCLE FROM SCROTAL AREA.

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Pigmentation

Mild

Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

Tunic

Mesothelioma Malignant

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

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

Urinary Bladder

Transit Epithe

Carcinoma

Transit Epithe

Hyperplasia

Moderate

Note: CARCINOMA TGLs = 4-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 21

SEX: Male

DAY ON TEST: 351

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Liver	Lymph Node - Mandibular
Ureter			

OBSERVATIONS

Intestine Large	Colon, Serosa	Inflammation	Chronic, Mild
	Colon	Polyp Adenomatous	Multiple
	Rectum	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 4-22			
Note: POLYP ADENOMAT TGLs = 3-21			
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Moderate
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Mild
		Pigmentation	Mild
Testes	Interstit Cell	Hyperplasia	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
Note: CARCINOMA TGLs = 2-8-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 21

SEX: Male

DAY ON TEST: 434

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum
Ureter

Intestine Large - Rectum

Liver

Stomach - Glandular

OBSERVATIONS

Epididymis
Note: MESOTHELIO MAL TGLs = 3-21

Mesothelioma Malignant

Intestine Large
Note: POLYP ADENOMAT TGLs = 7-23

Colon

Polyp Adenomatous

Kidney
Transit Epithe
Pelvis

Hyperplasia
Mineralization

Mild
Moderate

Renal Tubule
Iliac

Nephropathy
Pigmentation
Hyperplasia

Chronic, Mild
Minimal
Lymphoid, Moderate

Lymph Node
Note: HYPERPLASIA TGLs = 8-24

Congestion

Mild

Spleen
Capsule
Forestomach

Hypertrophy
Squamous Cell Papilloma

Minimal

Stomach
Note: PAPILOMA SQUA TGLs = 9-4

Testes
Interstit Cell
Seminif Tub
Interstit Cell
Tunic

Adenoma
Atrophy
Hyperplasia
Mesothelioma Malignant

Moderate
Minimal

Note: ADENOMA TGLs = 2-7
Urinary Bladder

Transit Epithe
Transit Epithe

Hyperplasia
Papilloma

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 134	TRT#: 21 DOSE: 0.600%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 207 HISTO: A85034305
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

	Liver	Testes	Ureter
Epididymis			
OBSERVATIONS			
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Mild
		Nephroblastoma	
		Nephropathy	Chronic, Moderate
Spleen	Renal Tubule	Pigmentation	Mild
		Congestion	Mild
		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
Note: CONGESTION TGLs = 3-6			
Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 135

TRT#: 21

SEX: Male

DAY ON TEST: 413

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Liver
Stomach - Forestomach	Stomach - Glandular	Ureter	Urethra

OBSERVATIONS

Intestine Large	Colon	Polyp Adenomatous	Multiple
Note: POLYP ADENOMAT	TGLs = 6-23,7-24		
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Moderate
	Renal Tubule	Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-5]		Pigmentation	Minimal
Lymph Node	Mesenteric	Congestion	Mild
Note: CONGESTION	TGLs = 5-22		
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 1-7		
Note: ADENOMA	TGLs = 1-7		
Urinary Bladder	Transit Epithe	Carcinoma	
Note: CARCINOMA	TGLs = 2-8,2-8-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 21

SEX: Male

DAY ON TEST: 639

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node - Mandibular

Stomach - Glandular

OBSERVATIONS

Epididymis

Depletion Cellular

Moderate

Kidney

Renal Tubule

Hyperplasia

Mild

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Mild

Nephropathy

Chronic, Marked

Renal Tubule

Pigmentation

Minimal

[Nephropathy TGLS = 4-5]

Liver

Basophilic Focus

Multiple, Minimal

Inflammation

Granulomatous, Multiple, Minimal

Vacuolization Cytoplasmic

Minimal

Lymph Node

Renal

Angiectasis

Moderate

Pancreatic

Hyperplasia

Lymphoid, Mild

Renal

Inflammation

Granulomatous, Moderate

Note: INFLAMMATION TGLs = 7-23

Note: MEDIASTINAL L.N. WAS NORMAL

Note: ANGIECTASIS TGLs = 7-23

Note: HYPERPLASIA TGLs = 3-21

Pancreas

Acinar Cell

Adenoma

Note: ADENOMA TGLs = 5-22

Parathyroid Gland

Hyperplasia

Moderate

[Hyperplasia TGLS = 6-3]

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Minimal

Pigmentation

Mild

Stomach

Forestomach

Squamous Cell Papilloma

Multiple

[Squamous Cell Papilloma TGLS = 10-4-1]

Testes

Bilateral, Interstit Cell

Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 21

SEX: Male

DAY ON TEST: 639

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040154

ORGAN AND ACCOUNTABLE SITE STATUS

Seminif Tub

Atrophy

Marked

Note: ADENOMA TGLs = 1-7-1

Ureter

Dilatation

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 2-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 21

SEX: Male

DAY ON TEST: 617

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Rectum

OBSERVATIONS

Epididymis		Depletion Cellular	Marked
Intestine Large	Cecum	Edema	Moderate
	Colon	Edema	Moderate
	Colon	Polyp Adenomatous	Multiple
	Cecum, Submucosa	Proliferation Connective Tissue	Marked
	[Edema TGLS = 10-21]		
	[Edema TGLS = 11-21]		
	[Polyp Adenomatous TGLS = 12-22,13-23]		
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Mild
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY	TGLs = 6-5		
Liver		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Thrombosis	Moderate
Note: LEUKEMIA MONUC	TGLs = 8-6		
Lymph Node	Mediastinal	Angiectasis	Moderate
	Mesenteric	Cyst	Moderate
	Mesenteric	Edema	Moderate
	Mandibular	Hyperplasia	Lymphoid, Mild
	[Angiectasis TGLS = 15-3-1]		
	[Cyst TGLS = 9-5-2]		
	[Edema TGLS = 9-5-2]		
	[Hyperplasia TGLS = 14-8-1]		
Preputial Gland		Atrophy	Moderate
	Duct	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 21

SEX: Male

DAY ON TEST: 617

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040155

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST Spleen	TGLs = 1-8		Hyperplasia	Moderate
		Capsule	Hematopoietic Cell Proliferation Hypertrophy Leukemia Mononuclear	Mild Moderate
Note: LEUKEMIA MONUC Testes	TGLs = 5-6-1	Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Minimal
Note: ATROPHY Ureter	TGLs = 3-7-1		Dilatation	Mild
Note: ADENOMA Urinary Bladder	TGLs = 2-7-1	Transit Epithe	Carcinoma	
Note: CARCINOMA	TGLs = 4-8-2			
PRIMARY CAUSE OF DEATH	-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 21

SEX: Male

DAY ON TEST: 612

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum
Ureter

Intestine Large - Rectum

Liver

Stomach - Glandular

OBSERVATIONS

Epididymis

Depletion Cellular

Mild

Intestine Large

Colon

Hemorrhage

Moderate

Colon

Polyp Adenomatous

Multiple

[Hemorrhage TGLS = 4-21]

[Polyp Adenomatous TGLS = 4-21,5-22]

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Moderate

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

[Nephropathy TGLS = 3-5]

Lymph Node

Mediastinal

Angiectasis

Mild

Mesenteric

Angiectasis

Mild

Mandibular

Hyperplasia

Lymphoid, Mild

[Angiectasis TGLS = 6-3-1]

[Angiectasis TGLS = 7-5-1]

[Hyperplasia TGLS = 8-8-1]

Spleen

Hematopoietic Cell Proliferation

Mild

Stomach

Forestomach

Abscess

Minimal

Testes

Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

Note: ADENOMA UNILATERAL

Note: ADENOMA TGLs = 2-7-1

Urinary Bladder

Transit Epithe

Carcinoma

Necrosis

Marked

Note: CARCINOMA TGLs = 1-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 21

SEX: Male

DAY ON TEST: 480

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Lymph Node - Mesenteric

Ureter

OBSERVATIONS

Epididymis

Depletion Cellular

Marked

Intestine Large

Rectum

Hemorrhage

Moderate

Colon

Polyp Adenomatous

Rectum

Polyp Adenomatous

Multiple

Note: HEMORRHAGE TGLs = 7-22

Note: POLYP ADENOMAT TGLs = 6-21

Note: POLYP ADENOMAT TGLs = 7-22

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Moderate

Nephropathy

Chronic, Marked

Renal Tubule

Pigmentation

Minimal

Note: NEPHROPATHY TGLs = 4-5

Liver

Basophilic Focus

Minimal

Clear Cell Focus

Mild

Bile Duct

Hyperplasia

Mild

Inflammation

Granulomatous, Multiple, Minimal

Lymph Node

Pancreatic

Edema

Moderate

Mandibular

Hyperplasia

Lymphoid, Moderate

Note: MEDIASTINAL L.N. WAS NORMAL

Note: EDEMA TGLs = 11-7-2

Note: HYPERPLASIA TGLs = 9-8-1

Preputial Gland

Adenoma

Note: ADENOMA TGLs = 1-8

Spleen

Congestion

Moderate

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 21

SEX: Male

DAY ON TEST: 480

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040157

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-7-1

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 3-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 21

SEX: Male

DAY ON TEST: 680

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum	Intestine Large - Rectum	Ureter	
OBSERVATIONS			
Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Moderate
Note: PHEOCHROM BGN TGLs = 5-22			
Blood Vessel	Aorta	Mineralization	Marked
Note: MINERALIZATION TGLs = 8-24			
Epididymis		Depletion Cellular	Marked
Heart		Inflammation	Chronic, Mild
		Mineralization	Moderate
Note: MINERALIZATION TGLs = 9-5-1			
Intestine Large	Colon	Hemorrhage	Marked
	Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 7-23			
Note: HEMORRHAGE TGLs = 7-23			
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Mild
		Nephropathy	Chronic, Marked
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 6-5			
Liver		Basophilic Focus	Multiple, Mild
		Vacuolization Cytoplasmic	Mild
Pancreas	Acinar Cell	Atrophy	Mild
	Acinar Cell	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 4-21			
Parathyroid Gland		Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 10-3			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 21

SEX: Male

DAY ON TEST: 680

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040158

ORGAN AND ACCOUNTABLE SITE STATUS

	Forestomach	Mineralization	Mild
	Glandular	Mineralization	Moderate
Note: MINERALIZATION TGLs = 11-4-2			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 1-7-1			
Note: ATROPHY TGLs = 2-7-1			
Urinary Bladder	Transit Epithe	Carcinoma	
		Hemorrhage	Moderate
Note: CARCINOMA TGLs = 3-8-2			
Note: HEMORRHAGE TGLs = 3-8-2			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 141	TRT#: 22 DOSE: 0.600% 3 SSAC	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 87 HISTO: A84033233
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

	Testes	Ureter	Urinary Bladder
OBSERVATIONS			
Kidney	Renal Tubule Pelvis Renal Tubule Renal Tubule	Degeneration Mineralization Necrosis Nephropathy Pigmentation Inflammation	Moderate Mild Mild Chronic, Mild Minimal Granulomatous, Multiple, Mild
Liver		Hypertrophy	Minimal
Spleen	Capsule Capsule	Inflammation Pigmentation	Chronic, Mild Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 22

SEX: Male

DAY ON TEST: 88

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Degeneration

Moderate

Pelvis

Mineralization

Mild

Renal Tubule

Necrosis

Mild

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Minimal

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 22

SEX: Male

DAY ON TEST: 88

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule
Pelvis
Renal Tubule

Degeneration
Mineralization
Necrosis
Nephropathy
Congestion
Hypertrophy
Pigmentation

Moderate
Mild
Moderate
Chronic, Mild
Moderate
Minimal
Moderate

Spleen

Capsule

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 22

SEX: Male

DAY ON TEST: 88

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Degeneration

Moderate

Pelvis

Mineralization

Mild

Renal Tubule

Necrosis

Moderate

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Spleen

Congestion

Mild

Capsule

Hypertrophy

Minimal

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 22

SEX: Male

DAY ON TEST: 88

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Degeneration

Moderate

Pelvis

Mineralization

Mild

Renal Tubule

Necrosis

Moderate

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Mild

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Minimal

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 22

SEX: Male

DAY ON TEST: 87

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Degeneration

Moderate

Pelvis

Mineralization

Mild

Renal Tubule

Necrosis

Moderate

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Minimal

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 22

SEX: Male

DAY ON TEST: 88

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Degeneration

Moderate

Pelvis

Mineralization

Minimal

Renal Tubule

Necrosis

Moderate

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Minimal

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 22

SEX: Male

DAY ON TEST: 87

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Liver

Testes

Ureter

MISSING

Urinary Bladder

OBSERVATIONS

Kidney

Renal Tubule

Degeneration

Mild

Pelvis

Mineralization

Mild

Renal Tubule

Necrosis

Mild

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Minimal

Pigmentation

Mild

Urin Bladder

Note: WET TISSUE CHECKED NEGATIVE

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 22

SEX: Male

DAY ON TEST: 87

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Degeneration

Moderate

Renal Tubule

Necrosis

Moderate

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Minimal

Pigmentation

Moderate

Note: PIGMENT TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 22

SEX: Male

DAY ON TEST: 87

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Urinary Bladder

Liver

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Degeneration

Moderate

Pelvis

Mineralization

Minimal

Renal Tubule

Necrosis

Mild

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Spleen

Congestion

Mild

Capsule

Hypertrophy

Minimal

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 151	TRT#: 23 DOSE: 0.600% 6 SSAC	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 190 HISTO: A85033991
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

	Epididymis	Testes	Ureter	
OBSERVATIONS				
Kidney		Renal Tubule	Mineralization Nephropathy	Moderate Chronic, Moderate
		Renal Tubule	Pigmentation	Mild
		Renal Tubule	Regeneration	Mild
Liver		Hepatocyte	Necrosis	Multifocal, Minimal
		Hepatocyte	Vacuolization Cytoplasmic	Minimal
Spleen			Congestion	Mild
			Pigmentation	Moderate
Urinary Bladder		Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 23

SEX: Male

DAY ON TEST: 190

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Liver

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Moderate

Nephropathy

Chronic, Moderate

Renal Tubule

Pigmentation

Mild

Renal Tubule

Regeneration

Mild

Spleen

Congestion

Moderate

Pigmentation

Mild

Urinary Bladder

Transit Epithe

Hyperplasia

Moderate

Transit Epithe

Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 23

SEX: Male

DAY ON TEST: 191

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Moderate

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Renal Tubule

Regeneration

Mild

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Mild

Pigmentation

Moderate

Urinary Bladder

Transit Epithe

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 23

SEX: Male

DAY ON TEST: 190

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

	Epididymis	Stomach - Glandular	Testes	Ureter
OBSERVATIONS				
Kidney		Renal Tubule	Mineralization Nephropathy	Moderate Chronic, Mild
		Renal Tubule	Pigmentation	Mild
		Renal Tubule	Regeneration	Mild
Liver		Hepatocyte, Kupffer Cell	Pigmentation	Minimal
		Hepatocyte	Vacuolization Cytoplasmic	Minimal
Spleen			Congestion	Moderate
		Capsule	Hypertrophy	Mild
			Pigmentation	Mild
Stomach		Forestomach	Squamous Cell Papilloma	
	Note: STOMACH LESION WAS OBSERVED GROSSLY AT TRIMMING [Squamous Cell Papilloma TGLS = 1-4]			
Urinary Bladder		Transit Epithe	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 23

SEX: Male

DAY ON TEST: 191

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Ureter

Stomach - Forestomach

Stomach - Glandular

Testes

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver	Renal Tubule	Regeneration	Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen		Congestion	Mild
		Pigmentation	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 23

SEX: Male

DAY ON TEST: 190

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

	Liver	Testes	Ureter
Epididymis			
OBSERVATIONS			
Kidney	Renal Tubule	Mineralization Nephropathy	Moderate Chronic, Mild
	Renal Tubule	Pigmentation	Mild
	Renal Tubule	Regeneration	Mild
Lung		Infiltration Cellular Inflammation	Lymphocyte, Multifocal, Mild Chronic, Mild
Note: INFLAMMATION TGLs = 1-2 [Inflammation TGLS = 1-2]			
Spleen	Capsule	Congestion Hypertrophy Pigmentation	Mild Mild Moderate
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 23

SEX: Male

DAY ON TEST: 190

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

	Liver	Testes	Ureter
OBSERVATIONS			
Kidney	Renal Tubule	Mineralization Nephropathy	Mild Chronic, Mild
	Renal Tubule	Pigmentation	Mild
	Renal Tubule	Regeneration	Mild
Spleen		Congestion	Moderate
	Capsule	Hypertrophy	Mild
		Pigmentation	Moderate
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 23

SEX: Male

DAY ON TEST: 191

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

	Liver	Testes	Ureter
Epididymis			
OBSERVATIONS			
Kidney	Renal Tubule	Mineralization Nephropathy Pigmentation	Mild Chronic, Mild Mild
Lung	Renal Tubule	Regeneration Infiltration Cellular Inflammation	Mild Lymphocyte, Multifocal, Mild Moderate
Note: INFLAMMATION TGLs = 1-2 [Infiltration Cellular TGLS = 1-2]			
Spleen	Capsule	Congestion Hypertrophy Pigmentation	Mild Mild Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
 Test Type: CHRONIC
 Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
 Time Report Requested: 18:23:34
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 159	TRT#: 23 DOSE: 0.600% 6 SSAC	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 190 HISTO: A85033999
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
	Testes	Ureter	
OBSERVATIONS			
Kidney	Renal Tubule	Mineralization	Moderate
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Mild
	Renal Tubule	Regeneration	Mild
Liver	Artery	Inflammation	Chronic, Focal, Moderate
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Mild
		Pigmentation	Moderate
Note: CONGESTION	TGLs = 1-6		
Note: PIGMENT	TGLs = 1-6		
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
	Transit Epithe	Papilloma	
	Wall	Proliferation Connective Tissue	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 23

SEX: Male

DAY ON TEST: 191

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Testes

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Mild

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Renal Tubule

Regeneration

Mild

Liver

Hepatocyte

Vacuolization Cytoplasmic

Minimal

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Mild

Pigmentation

Moderate

Urinary Bladder

Transit Epithe

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 24

SEX: Male

DAY ON TEST: 274

DOSE: 0.600% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Testes

Ureter

OBSERVATIONS

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Moderate

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Inflammation

Granulomatous, Multiple, Minimal

Spleen

Congestion

Mild

Capsule

Hypertrophy

Minimal

Pigmentation

Moderate

Urinary Bladder

Transit Epithe

Carcinoma

Transit Epithe

Hyperplasia

Moderate

Note: CARCINOMA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 24

SEX: Male

DAY ON TEST: 274

DOSE: 0.600% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Testes

Ureter

OBSERVATIONS

Kidney

Pelvis

Mineralization

Moderate

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Note: NEPHROPATHY TGLs = 1-5

Liver

Inflammation

Granulomatous, Multifocal, Mild

Vacuolization Cytoplasmic

Moderate

Spleen

Congestion

Mild

Capsule

Hypertrophy

Minimal

Pigmentation

Moderate

Urinary Bladder

Transit Epithe

Hyperplasia

Moderate

Transit Epithe

Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 24

SEX: Male

DAY ON TEST: 275

DOSE: 0.600% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

	Epididymis	Testes	Ureter	
OBSERVATIONS				
Kidney		Transit Epithe Pelvis	Hyperplasia Mineralization Nephropathy Pigmentation	Mild Moderate Chronic, Mild Minimal
Liver		Renal Tubule	Basophilic Focus Inflammation	Minimal Granulomatous, Multiple, Minimal
Lung			Infiltration Cellular	Lymphocyte, Multifocal, Moderate
Note: INFILTRAT CELL TGLs = 1-2				
Spleen			Congestion Pigmentation	Mild Mild
Urinary Bladder		Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 24

SEX: Male

DAY ON TEST: 274

DOSE: 0.600% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

	Epididymis	Lung	Testes	Ureter
OBSERVATIONS				
Kidney		Transit Epithe	Hyperplasia	Mild
		Pelvis	Mineralization	Moderate
			Nephropathy	Chronic, Mild
		Renal Tubule	Pigmentation	Minimal
Liver			Inflammation	Granulomatous, Multiple, Mild
			Vacuolization Cytoplasmic	Mild
Spleen			Congestion	Mild
			Hematopoietic Cell Proliferation	Mild
		Capsule	Hypertrophy	Mild
		Capsule	Inflammation	Chronic, Mild
			Pigmentation	Mild
Urinary Bladder		Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 165	TRT#: 24	SEX: Male	DAY ON TEST: 275
	DOSE: 0.600% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

	Testes	Ureter	
Epididymis			
OBSERVATIONS			
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Moderate
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Minimal
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 24

SEX: Male

DAY ON TEST: 275

DOSE: 0.600% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Ureter
OBSERVATIONS			
Intestine Large Note: POLYP ADENOMAT TGLs = 3-21	Colon	Polyp Adenomatous	Multiple
Kidney	Transit Epithe Pelvis	Hyperplasia Mineralization Nephropathy	Minimal Moderate Chronic, Moderate
Liver	Renal Tubule	Pigmentation Inflammation Vacuolization Cytoplasmic	Minimal Granulomatous, Multiple, Mild Mild
Spleen	Capsule	Congestion Hypertrophy Pigmentation	Mild Minimal Mild
Note: HYPERTROPHY TGLs = 2-6 Note: PIGMENT TGLs = 2-6 Note: CONGESTION TGLs = 2-6			
Testes	Interstit Cell	Hyperplasia	Mild
Urinary Bladder Note: CARCINOMA TGLs = 1-8	Transit Epithe	Carcinoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 167	TRT#: 24	SEX: Male	DAY ON TEST: 275
	DOSE: 0.600% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Ureter

OBSERVATIONS

Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Moderate
	Renal Tubule	Nephropathy	Chronic, Mild
		Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Minimal
Preputial Gland		Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 1-8			
Spleen		Congestion	Mild
		Pigmentation	Mild
Testes	Interstit Cell	Hyperplasia	Minimal
Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 24

SEX: Male

DAY ON TEST: 275

DOSE: 0.600% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Testes	Ureter	
OBSERVATIONS			
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Moderate
	Renal Tubule	Nephropathy	Chronic, Moderate
		Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Pancreatic	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 2-21			
Spleen		Congestion	Moderate
	Capsule	Hypertrophy	Mild
		Pigmentation	Mild
Note: PIGMENT TGLs = 3-6			
Note: HYPERTROPHY TGLs = 3-6			
Note: CONGESTION TGLs = 3-6			
Urinary Bladder	Transit Epithe	Carcinoma	
	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
Note: CARCINOMA TGLs = 1-8			
Note: INFLAMMATION TGLs = 1-8			
Note: HYPERPLASIA TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 169

TRT#: 24

SEX: Male

DAY ON TEST: 275

DOSE: 0.600% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Testes

Ureter

OBSERVATIONS

Kidney

Pelvis

Mineralization

Moderate

Nephropathy

Chronic, Moderate

Renal Tubule

Pigmentation

Minimal

Liver

Inflammation

Granulomatous, Multiple, Mild

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Minimal

Pigmentation

Moderate

Urinary Bladder

Transit Epithe

Hyperplasia

Mild

Transit Epithe

Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 170	TRT#: 24	SEX: Male	DAY ON TEST: 274
	DOSE: 0.600% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Intestine Large - Rectum	Testes
Ureter			

OBSERVATIONS

Eye	Cornea	Edema	Mild
Note: EDEMA TGLs = 1-21			
Intestine Large	Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 2-22			
Kidney	Pelvis	Mineralization	Moderate
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 171

TRT#: 25

SEX: Male

DAY ON TEST: 456

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Epididymis		Mesothelioma Malignant	
Intestine Large	Colon	Polyp Adenomatous	Multiple
Note: POLYP ADENOMAT TGLs = 3-22,4-23			
Kidney	Pelvis	Dilatation	Mild
	Transit Epithe	Hyperplasia	Moderate
	Pelvis	Mineralization	Moderate
		Nephropathy	Chronic, Marked
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Lymph Node	Renal	Angiectasis	Moderate
	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: TGL 6 IS LYMPH NODE NOT ABNORMAL COLON.			
Note: ANGIECTASIS TGLs = 2-21			
Note: HYPERPLASIA TGLs = 6-24			
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Tunic	Mesothelioma Malignant	
Note: ADENOMA TGLs = 5-7			
Note: MESOTHELIO MAL TGLs = 5-7			
Ureter		Dilatation	Mild
Urinary Bladder	Transit Epithe	Papilloma	
	Wall	Proliferation Connective Tissue	Moderate
		Sarcoma	
Note: SARCOMA TGLs = 1-8,1-8-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 171

TRT#: 25

SEX: Male

DAY ON TEST: 456

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036221

ORGAN AND ACCOUNTABLE SITE STATUS

Note: PROLF CON TISS TGLs = 1-8

Note: PAPILLOMA TGLs = 1-8,1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 25

SEX: Male

DAY ON TEST: 424

DOSE: 0.600% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Stomach - Glandular

Intestine Large - Cecum
Ureter

Intestine Large - Rectum

Prostate

OBSERVATIONS

Intestine Large
Note: POLYP ADENOMAT TGLs = 4-22,3-21

Colon

Polyp Adenomatous

Multiple

Kidney
Transit Epithe
Pelvis

Renal Tubule

Hyperplasia
Mineralization
Nephropathy
Pigmentation

Mild
Moderate
Chronic, Moderate
Minimal

[Nephropathy TGLS = 2-5]

Liver
Lung
Note: CONGESTION TGLs = 5-2
Note: CONGESTION IN SURFACE CAPILLARIES.

Inflammation
Congestion

Granulomatous, Multiple, Minimal
Minimal

Spleen
Congestion
Hematopoietic Cell Proliferation
Hypertrophy
Inflammation
Squamous Cell Papilloma

Moderate
Mild
Minimal
Chronic, Minimal

Stomach
Note: PAPILLOMA SQUA TGLs = 7-23

Capsule
Capsule
Forestomach

Testes
Interstitial Cell
Interstitial Cell
Note: HYPERPLASIA TGLs = 6-7
Note: ADENOMA TGLs = 6-7

Adenoma
Hyperplasia

Mild

Urinary Bladder
Note: CARCINOMA TGLs = 1-8,1-8-1

Transit Epithe

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 25

SEX: Male

DAY ON TEST: 428

DOSE: 0.600% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Liver

MISSING

Ureter

OBSERVATIONS

Kidney	Bilateral Transit Epithe Pelvis Renal Tubule Renal Tubule Renal Tubule	Hydronephrosis Hyperplasia Mineralization Mineralization Nephropathy Pigmentation Regeneration	Moderate Moderate Moderate Mild Chronic, Moderate Minimal Mild
	[Hyperplasia TGLS = 5-5] [Nephropathy TGLS = 4-5]		
Lymph Node	Iliac	Angiectasis	Moderate
Note: ANGIECTASIS	TGLs = 6-21		
Prostate		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 3-7		
Seminal Vesicle	Adventitia	Edema	Mild
Note: EDEMA	TGLs = 2-7		
Spleen		Hyperplasia	Lymphoid, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 7-7		
Urinary Bladder	Transit Epithe Wall	Carcinoma Metaplasia Proliferation Connective Tissue	Squamous, Moderate Marked
Note: METAPL	TGLs = 1-8,1-8-1		
Note: CARCINOMA	TGLs = 1-8,1-8-1,1-8-2		
Note: PROLF CON TISS	TGLs = 1-8,1-8-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 174

TRT#: 25

SEX: Male

DAY ON TEST: 305

DOSE: 0.600% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis
Testes

Intestine Large - Cecum

Intestine Large - Rectum

Prostate

OBSERVATIONS

Intestine Large
Note: POLYP ADENOMAT TGLs = 8-21

Colon

Polyp Adenomatous

Kidney
[Mineralization TGLS = 4-6,5-6]
[Nephropathy TGLS = 4-6,5-6]

Bilateral
Pelvis
Renal Tubule

Hydronephrosis
Mineralization
Nephropathy
Regeneration

Moderate
Moderate
Chronic, Mild
Mild

Liver
Lung
Note: CONGESTION TGLs = 9-22

Inflammation
Congestion

Granulomatous, Multiple, Minimal
Mild

Spleen
Ureter
Note: DILATATION TGLs = 1-46

Capsule

Hyperplasia
Hypertrophy
Dilatation

Lymphoid, Mild
Minimal
Marked

Urinary Bladder
Note: SARCOMA TGLs = 2-8-1,2-8-2,2-8-3

Transit Epithe

Carcinoma
Metaplasia
Sarcoma

Squamous, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 25

SEX: Male

DAY ON TEST: 364

DOSE: 0.600% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 2-21,3-22

Kidney

Pelvis

Mineralization

Moderate

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Inflammation

Granulomatous, Multiple, Minimal

Spleen

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Minimal

Testes

Bilateral, Interstit Cell

Hyperplasia

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 25

SEX: Male

DAY ON TEST: 329

DOSE: 0.600% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 2-21,3-22

Kidney

Pelvis

Mineralization

Moderate

Nephropathy

Chronic, Mild

Pigmentation

Minimal

Liver

Inflammation

Granulomatous, Multiple, Minimal

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Minimal

Capsule

Inflammation

Chronic, Minimal

Pigmentation

Mild

Testes

Interstitial Cell

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 4-7

Urinary Bladder

Transit Epithe

Carcinoma

Transit Epithe

Hyperplasia

Moderate

Note: HYPERPLASIA TGLs = 1-8

Note: CARCINOMA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 25

SEX: Male

DAY ON TEST: 455

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

[Polyp Adenomatous TGLS = 3-21,4-22]

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Marked

Renal Tubule

Nephropathy

Chronic, Mild

Pigmentation

Mild

[Nephropathy TGLS = 2-5]

Liver

Inflammation

Granulomatous, Multiple, Minimal

Spleen

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Minimal

Capsule

Inflammation

Chronic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 5-7

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 178

TRT#: 25

SEX: Male

DAY ON TEST: 456

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Epididymis

Mesothelioma Malignant

Note: MESOTHELIO MAL TGLs = 2-21

Intestine Large

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 5-22

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Moderate

Renal Tubule

Nephropathy

Chronic, Moderate

Renal Tubule

Pigmentation

Minimal

[Nephropathy TGLS = 4-5]

Regeneration

Moderate

Liver

Hepatodiaphragmatic Nodule

Mild

Note: HDN TGLs = 6-23

Inflammation

Granulomatous, Multiple, Mild

Spleen

Pigmentation

Moderate

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-7

Urinary Bladder

Transit Epithe

Hyperplasia

Mild

Transit Epithe

Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 25

SEX: Male

DAY ON TEST: 329

DOSE: 0.600% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Large - Cecum	Mesentery	Ureter
OBSERVATIONS			
Intestine Large	Colon	Polyp Adenomatous	
	Rectum	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 5-23			
Note: POLYP ADENOMAT TGLs = 4-22			
Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Mineralization	Moderate
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Minimal
Lymph Node	Mesenteric	Cyst	
Note: CYST TGLs = 3-21			
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Minimal
	Capsule	Inflammation	Chronic, Minimal
		Pigmentation	Mild
Note: CONGESTION TGLs = 2-6			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA TGLs = 6-7			
Urinary Bladder	Transit Epithe	Carcinoma	
	Transit Epithe	Hyperplasia	Mild
Note: CARCINOMA TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 25

SEX: Male

DAY ON TEST: 430

DOSE: 0.600% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Intestine Large - Cecum

Intestine Large - Rectum

MISSING

Ureter

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

[Polyp Adenomatous TGLS = 5-21]

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Moderate

Nephropathy

Chronic, Moderate

Renal Tubule

Pigmentation

Minimal

[Nephropathy TGLS = 2-5]

Liver

Inflammation

Granulomatous, Multiple, Mild

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Minimal

Capsule

Inflammation

Chronic, Minimal

Pigmentation

Mild

Note: HYPERTROPHY TGLs = 3-6

Note: CONGESTION TGLs = 4-6

Note: INFLAMMATION TGLs = 3-6

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 6-7

Urinary Bladder

Transit Epithe

Carcinoma

Transit Epithe

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 1-8

Note: CARCINOMA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Mild

Eosinophilic Focus

Minimal

Hepatodiaphragmatic Nodule

Mild

Inflammation

Granulomatous, Multiple, Minimal

Note: HDN TGLs = 3-23

Lymph Node

Note: MEDIASTINAL L.N. WAS NORMAL

Mammary Gland

Duct

Cyst

Moderate

Fibroadenoma

Multiple

Hyperplasia

Lobular, Moderate

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

Note: CYST TGLs = 2-22

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 5-1

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

Tissue NOS

Note: TGL-1 ON SLIDE 21 AND TGL-2 ON SLIDE 22 ARE MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 182	TRT#: 6 DOSE: 0.0%	SEX: Female DISP: Natural Death	DAY ON TEST: 421 HISTO: A86036174
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Brain

[Glioma Malignant TGLS = 2-1]

Glioma Malignant

Kidney

Pelvis

Mineralization

Minimal

Renal Tubule

Mineralization

Minimal

Liver

Inflammation

Granulomatous, Multiple, Minimal

Ovary

Cyst

Note: CYST

TGLs = 1-21

Spleen

Congestion

Mild

Depletion Lymphoid

Minimal

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Ureter
OBSERVATIONS			
Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-10			
Note: LEUKEMIA MONUC TGLs = 8-10			
Bone	Calvarium	Hyperostosis	Mild
Note: HYPEROSTOSIS TGLs = 18-25			
Brain		Compression	Moderate
[Compression TGLS = 20-1]			
Intestine Large	Colon	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 16-4-1			
Intestine Small	Ileum	Leukemia Mononuclear	
	Jejunum	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 13-23			
Note: LEUKEMIA MONUC TGLs = 14-4-1			
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Note: LEUKEMIA MONUC TGLs = 9-5-1			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
		Vacuolization Cytoplasmic	Marked
Note: LEUKEMIA MONUC TGLs = 10-6-1			
Note: VACUOLIZ CYTO TGLs = 10-6-1			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040129

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-2
Note: LEUKEMIA MONUC TGLs = 7-22
Note: LEUKEMIA MONUC TGLs = 21-26
Note: LEUKEMIA MONUC TGLs = 11-5

Mammary Gland

Duct

Cyst
Fibroadenoma
Hyperplasia
Leukemia Mononuclear

Mild

Lobular, Mild

Note: CYST TGLs = 1-8,3-21
Note: FIBROADENOMA TGLs = 3-21
Note: HYPERPLASIA TGLs = 3-21

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 19-1]

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-6

Stomach

Forestomach
Glandular

Leukemia Mononuclear
Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 22-4,12-27]

Thymus

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 17-24

Tissue NOS

Note: TGL 3-21 IS MAMMARY GLAND

Urinary Bladder

Leukemia Mononuclear

Uterus

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 6

SEX: Female

DAY ON TEST: 679

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86040130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Stomach - Glandular

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Adrenal Gland

Cortex

Leukemia Mononuclear

Bilateral, Cortex

Vacuolization Cytoplasmic

Moderate

Note: LEUKEMIA MONUC TGLs = 5-10

Brain

Compression

Mild

[Compression TGLS = 12-1]

Kidney

Renal Tubule

Mineralization

Mild

Nephropathy

Chronic, Mild

Pigmentation

Minimal

Liver

Renal Tubule

Leukemia Mononuclear

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Vacuolization Cytoplasmic

Moderate

Note: VACUOLIZ CYTO TGLs = 6-6-1

Note: LEUKEMIA MONUC TGLs = 6-6-1

Lymph Node

Iliac

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Renal

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-3]

[Leukemia Mononuclear TGLS = 7-5]

[Leukemia Mononuclear TGLS = 9-22]

[Leukemia Mononuclear TGLS = 10-23]

[Leukemia Mononuclear TGLS = 4-21]

Mammary Gland

Duct

Cyst

Moderate

Note: CYST TGLs = 1-8

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Hemorrhage

Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 6

SEX: Female

DAY ON TEST: 679

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86040130

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 11-1]

[Hemorrhage TGLS = 11-1]

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-6

Stomach

Forestomach

Edema

Moderate

Epithelium, Forestomach

Hyperplasia

Moderate

[Edema TGLS = 14-4]

[Hyperplasia TGLS = 13-24]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 185

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter Urinary Bladder

OBSERVATIONS

Clitoral Gland Carcinoma Inflammation Suppurative, Moderate

Note: INFLAMMATION TGLs = 2-22

Note: CARCINOMA TGLs = 2-22

Kidney Pelvis Mineralization Minimal
Renal Tubule Mineralization Mild
Nephropathy Chronic, Mild
Renal Tubule Pigmentation Minimal

Liver Basophilic Focus Multiple, Mild

Mammary Gland Fibroadenoma Hyperplasia Lobular, Mild

Note: FIBROADENOMA TGLs = 1-21

Pituitary Gland Pars Distalis Adenoma

[Adenoma TGLS = 3-1]

Spleen Congestion Mild
Hematopoietic Cell Proliferation Mild
Pigmentation Moderate

Tissue NOS Note: TGL 1-21 IS MAMMARY GLAND

Uterus Endometrium Hyperplasia Cystic, Minimal
Inflammation Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 186

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter Urinary Bladder

OBSERVATIONS

Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Lymph Node	Mediastinal	Pigmentation	Mild
Note: PIGMENT TGLs = 5-3			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Moderate
[Adenoma TGLS = 4-1-1]			
[Hemorrhage TGLS = 4-1-1]			
Spleen		Congestion	Moderate
		Depletion Lymphoid	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
Uterus	Cervix	Cyst	Moderate
		Dilatation	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild
Note: HYPERPLASIA TGLs = 1-7,1-7-1			
Note: CYST TGLs = 3-7-1			
Note: INFLAMMATION TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Glandular

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Islets, Pancreatic

Carcinoma

Note: CARCINOMA TGLs = 2-7-1

Kidney

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Mild

Eosinophilic Focus

Minimal

Inflammation

Granulomatous, Multiple, Mild

Lymph Node

Pancreatic

Angiectasis

Marked

Mandibular

Hyperplasia

Lymphoid, Moderate

Note: ANGIECTASIS TGLs = 4-7-2

Note: HYPERPLASIA TGLs = 5-8-1

Mammary Gland

Fibroadenoma

Hyperplasia

Lobular, Moderate

Note: FIBROADENOMA TGLs = 1-21

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Stomach

Forestomach

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLs = 3-22]

Tissue NOS

Note: TGL 1-21 IS MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 6

SEX: Female

DAY ON TEST: 103

DOSE: 0.0%

DISP: Natural Death

HISTO: A85033603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Colon

Intestine Small - Duodenum

Urinary Bladder

Uterus

MISSING

Ureter

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Kidney

Pelvis

Mineralization

Minimal

Renal Tubule

Mineralization

Minimal

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Lung

Congestion

Moderate

Note: CONGESTION TGLs = 4-3

Spleen

Depletion Lymphoid

Moderate

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter	Urinary Bladder	Uterus	
OBSERVATIONS			
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
	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	Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Note: MIXED CL FOCUS TGLs = 8-22			
Note: BASOPH FOCUS TGLs = 8-22			
Note: INFLAMMATION TGLs = 8-22			
Note: HDN TGLs = 8-22			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3-1.1]			
[Leukemia Mononuclear TGLS = 7-7-1]			
[Leukemia Mononuclear TGLS = 4-8-1]			
Mammary Gland	Duct	Cyst	Mild
		Hyperplasia	Lobular, Moderate
Note: CYST TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Histiocytic, Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040134

ORGAN AND ACCOUNTABLE SITE STATUS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Moderate

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Mild

Eosinophilic Focus

Multiple, Mild

Mixed Cell Focus

Mild

Lymph Node

Mandibular

Cyst

Mild

Mediastinal

Pigmentation

Moderate

[Cyst TGLS = 4-8-1]

[Pigmentation TGLS = 3-3-1]

Mammary Gland

Hyperplasia

Lobular, Moderate

Note: HYPERPLASIA TGLs = 1-8

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-1-1]

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

MISSING

Urinary Bladder

OBSERVATIONS

Brain		Compression	Mild
Note: COMPRESSION	TGLs = 6-1		
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Mild
		Mixed Cell Focus	Moderate
Lymph Node	Deep Cervical	Angiectasis	Moderate
	Mediastinal	Angiectasis	Mild
Note: PANCREATIC L.N. WAS NORMAL			
[Angiectasis TGLS = 8-3-1]			
[Angiectasis TGLS = 4-23]			
Mammary Gland	Duct	Cyst	Moderate
		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-21,2-22		
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1-1]			
Skel Muscle			
Note: MASS IS DEEP CERVICAL LYMPH NODE			
Spleen		Pigmentation	Moderate
Tissue NOS			
Note: TGL 1-21 & 2-22 IS MAMMARY GLAND.			
Uterus		Dilatation	Mild
Note: DILATATION	TGLs = 3-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 6

DOSE: 0.0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: A86040136

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node - Mandibular

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Mild

Inflammation

Granulomatous, Multiple, Minimal

Lymph Node

Mediastinal

Angiectasis

Mild

Note: PANCREATIC L.N. WAS NORMAL

[Angiectasis TGLs = 4-3-1]

Mammary Gland

Fibroadenoma

Note: FIBROADENOMA TGLs = 1-21

Spleen

Congestion

Moderate

Depletion Lymphoid

Minimal

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Tissue NOS

Note: TGL 1-21 IS MAMMARY GLAND

Uterus

Endometrium

Hyperplasia

Cystic, Mild

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

Note: POLYP STROMAL TGLs = 2-22

Note: STROMAL POLYP TGL 2-22 IS NECROTIC

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 6

SEX: Female

DAY ON TEST: 662

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86040138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter	Urinary Bladder	Uterus	
OBSERVATIONS			
Eye	Retina	Cataract Degeneration	Moderate Marked
Note: CATARACT TGLs = 1-21			
Note: DEGEN TGLs = 1-21			
Kidney	Renal Tubule	Mineralization Nephropathy	Minimal Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus Eosinophilic Focus	Multiple, Mild Moderate
		Inflammation	Granulomatous, Multiple, Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 5-3-1]			
Mammary Gland	Duct	Cyst Fibroadenoma Hyperplasia	Mild Lobular, Mild
Note: FIBROADENOMA TGLs = 3-23,2-22			
Note: CYST TGLs = 3-23			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1-1]			
Spleen		Congestion Hematopoietic Cell Proliferation Pigmentation	Mild Moderate Mild
Tissue NOS			
Note: TGL 2-22 IS MAMMARY GLAND.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 6

SEX: Female

DAY ON TEST: 648

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: A86040139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node - Mandibular

Urinary Bladder

MISSING

Ureter

OBSERVATIONS

Brain

Compression

Moderate

[Compression TGLS = 3-1]

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Mild

Lymph Node

Note: PANCREATIC L.N. WAS NORMAL

Mammary Gland

Duct

Cyst

Moderate

Note: CYST TGLs = 1-21

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Hemorrhage

Marked

[Adenoma TGLS = 2-1-1]

[Hemorrhage TGLS = 2-1-1]

Spleen

Hematopoietic Cell Proliferation

Mild

Ureter

Pigmentation

Moderate

Note: URETER MISSING

Uterus

Fibrosis

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter	Urinary Bladder	Uterus	
OBSERVATIONS			
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
		Mixed Cell Focus	Moderate
Lymph Node	Mandibular	Cyst	Multiple, Mild
	Mandibular	Hyperplasia	Lymphoid, Mild
Note: MEDIASTINAL NORMAL.			
Note: HYPERPLASIA TGLs = 3-8-1			
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 1-3]			
Trachea			
Note: MASS IS THYROID TUMOR TGL 1-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter	Urinary Bladder	Uterus	
OBSERVATIONS			
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Mild
Lymph Node	Pancreatic	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 3-21			
Mammary Gland	Duct	Cyst	Moderate
Note: CYST TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: SLIDE 7: PIECE OF TRANSIT CELL TUMOR ON SLIDE IS ARTIFACT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 197

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Glandular

Ureter

Urinary Bladder

MISSING

Uterus

OBSERVATIONS

Clitoral Gland

Adenoma

Note: ADENOMA TGLs = 1-8

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Minimal

Inflammation

Granulomatous, Multiple, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-1]

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

Stomach

Forestomach

Diverticulum

Mild

Note: DIVERTICULUM TGLs = 3-21

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 198

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Uterus

MISSING

Urinary Bladder

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Mild

Inflammation

Granulomatous, Multiple, Minimal

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Lung

Infiltration Cellular

Histiocyte, Mild

Note: INFILTRAT CELL TGLs = 4-22

Lymph Node

Mediastinal

Hyperplasia

Lymphoid, Mild

Note: HYPERPLASIA TGLs = 3-3

Mammary Gland

Duct

Cyst

Mild

Hyperplasia

Lobular, Mild

Note: CYST TGLs = 1-21

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: A86040144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Urinary Bladder

OBSERVATIONS

Clitoral Gland

Carcinoma

Note: CARCINOMA

TGLs = 1-21

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Mild

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Mild

Eosinophilic Focus

Mild

Inflammation

Granulomatous, Multiple, Mild

Necrosis

Focal, Moderate

Mesentery

Fat

Note: NECROSIS

TGLs = 2-22,4-23

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Uterus

Polyp Stromal

Note: POLYP STROMAL

TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 200

TRT#: 6

DOSE: 0.0%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 590

HISTO: A86040145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pancreas	Stomach - Glandular	Ureter	Urinary Bladder
OBSERVATIONS			
Bone Note: BONE/MANDIBLE INVADED BY SQUAMOUS CELL CARCINOMA Note: HYPEROSTOSIS TGLs = 6-21	Calvarium	Hyperostosis	Mild
Kidney	Renal Tubule	Mineralization Nephropathy	Minimal Chronic, Minimal
Liver	Renal Tubule Hepatocyte, Kupffer Cell	Pigmentation Inflammation Pigmentation	Minimal Granulomatous, Multiple, Minimal Mild
Skin Note: SQUAM CEL CARC TGLs = 1-23	Head	Vacuolization Cytoplasmic Squamous Cell Carcinoma	Moderate Deep Invasion
Spleen		Pigmentation	Moderate
Stomach [Hyperplasia TGLs = 7-22] [Ulcer TGLs = 7-22]	Epithelium, Forestomach Forestomach	Hyperplasia Ulcer	Moderate Mild
Tissue NOS Note: TGL 1-23 IS SKIN			
Uterus Note: HYPERTROPHY TGLs = 3-7	Cervix, Myometrium	Hypertrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 201

TRT#: 7

SEX: Female

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Mild

Note: MALLORYS STAIN FOR IRON/NEGATIVE

Liver

Note: MALLORYS STAIN FOR IRON/NEGATIVE

Spleen

Pigmentation

Mild

Note: MALLORYS STAIN FOR IRON/MODERATE

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 202

TRT#: 7

SEX: Female

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Mild

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 7

SEX: Female

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Liver

Hepatocyte

Necrosis

Multifocal, Mild

Vacuolization Cytoplasmic

Mild

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 204

TRT#: 7

SEX: Female

DAY ON TEST: 87

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Mild

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 7

SEX: Female

DAY ON TEST: 87

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Minimal

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 206

TRT#: 7

SEX: Female

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Mild

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 207

TRT#: 7

SEX: Female

DAY ON TEST: 88

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Mild

Spleen

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 7

SEX: Female

DAY ON TEST: 87

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Mild

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 7

SEX: Female

DAY ON TEST: 87

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Minimal

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 7

SEX: Female

DAY ON TEST: 87

DOSE: 0.0% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Minimal

Liver

Hepatodiaphragmatic Nodule

Mild

Note: HDN TGLs = 1-21

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 8

SEX: Female

DAY ON TEST: 190

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Mild

Spleen

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 212

TRT#: 8

SEX: Female

DAY ON TEST: 191

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Mild

Spleen

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 213

TRT#: 8

SEX: Female

DAY ON TEST: 190

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Urinary Bladder

Uterus

MISSING

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Moderate

Liver

Inflammation

Granulomatous, Multiple, Minimal

Spleen

Pigmentation

Moderate

Ureter

Note: NUMEROUS SECTIONS MADE. URETER NOT FOUND.

Urin Bladder

Note: RECUT

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 8

SEX: Female

DAY ON TEST: 190

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Mesentery

Fat

Necrosis

Focal, Moderate

Note: NECROSIS TGLs = 1-21

Spleen

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 215

TRT#: 8

SEX: Female

DAY ON TEST: 190

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Liver

Inflammation

Granulomatous, Multiple, Mild

Spleen

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 216

TRT#: 8

SEX: Female

DAY ON TEST: 191

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Liver

Spleen

Ureter

Urinary Bladder

Uterus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 217

TRT#: 8

SEX: Female

DAY ON TEST: 191

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Spleen

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 8

SEX: Female

DAY ON TEST: 190

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Spleen

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Liver

Inflammation

Granulomatous, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 219

TRT#: 8

SEX: Female

DAY ON TEST: 190

DOSE: 0.0% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Spleen

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Liver

Inflammation

Granulomatous, Multiple, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 220	TRT#: 8	SEX: Female	DAY ON TEST: 190
	DOSE: 0.0% 6 SSAC	DISP: Scheduled Sacrifice	HISTO: A85033970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney	Spleen	Ureter	Urinary Bladder
Uterus			

OBSERVATIONS

Liver	Inflammation	Granulomatous, Multiple, Mild
Ureter		

Note: ONLY ONE URETER COULD BE FOUND.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 9

SEX: Female

DAY ON TEST: 275

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Liver

Basophilic Focus

Minimal

Inflammation

Granulomatous, Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 222

TRT#: 9

SEX: Female

DAY ON TEST: 274

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Liver

Basophilic Focus

Minimal

Spleen

Congestion

Mild

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 9

SEX: Female

DAY ON TEST: 275

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Minimal

Inflammation

Granulomatous, Multiple, Minimal

Spleen

Congestion

Mild

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 9

SEX: Female

DAY ON TEST: 274

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 225

TRT#: 9

SEX: Female

DAY ON TEST: 274

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Pelvis

Mineralization

Minimal

Renal Tubule

Mineralization

Minimal

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Ovary

Cyst

Note: CYST TGLs = 1-7

Spleen

Pigmentation

Mild

Uterus

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 9

SEX: Female

DAY ON TEST: 274

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Minimal

Inflammation

Granulomatous, Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 227	TRT#: 9	SEX: Female	DAY ON TEST: 275
	DOSE: 0.0% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Ureter	Urinary Bladder	Uterus
OBSERVATIONS			
Kidney	Renal Tubule	Mineralization Nephropathy	Mild Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Spleen		Pigmentation	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 228

TRT#: 9

SEX: Female

DAY ON TEST: 275

DOSE: 0.0% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Spleen	Ureter	Urinary Bladder
Uterus			

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 229	TRT#: 9	SEX: Female	DAY ON TEST: 275
	DOSE: 0.0% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen	Ureter	Urinary Bladder	Uterus
--------	--------	-----------------	--------

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 230	TRT#: 9	SEX: Female	DAY ON TEST: 274
	DOSE: 0.0% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen	Ureter	Urinary Bladder	Uterus
--------	--------	-----------------	--------

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Minimal
		Inflammation	Granulomatous, Multiple, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 231	TRT#: 10	SEX: Female	DAY ON TEST: 455
	DOSE: 0.0% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86036175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter	Urinary Bladder	Uterus
--------	-----------------	--------

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Minimal
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 232	TRT#: 10	SEX: Female	DAY ON TEST: 456
	DOSE: 0.0% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86036176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Spleen	Ureter	Urinary Bladder
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OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Minimal
	Bile Duct	Hyperplasia	Minimal
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 10

SEX: Female

DAY ON TEST: 455

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Urinary Bladder

Uterus

MISSING

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Liver

Basophilic Focus

Multiple, Mild

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 234	TRT#: 10	SEX: Female	DAY ON TEST: 456
	DOSE: 0.0% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86036178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter	Urinary Bladder	Uterus
--------	-----------------	--------

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Minimal
Spleen		Congestion	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 235

TRT#: 10

SEX: Female

DAY ON TEST: 455

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Bile Duct

Hyperplasia

Minimal

Spleen

Congestion

Mild

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 236

TRT#: 10

SEX: Female

DAY ON TEST: 408

DOSE: 0.0% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland	Ureter	Urinary Bladder
Uterus			

OBSERVATIONS

Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver	Hepatocyte	Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Mitotic Alteration	Moderate
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
	[Hematopoietic Cell Proliferation TGLS = 3-6]		
Skeletal Muscle	Hindlimb	Rhabdomyosarcoma	
Note: RHABDOMYOSARC	TGLs = 1-21		
Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 2-6]		
Tissue NOS			
Note: TISSUE NOS IS SKELETAL MUSCLE OF LEG.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 10

SEX: Female

DAY ON TEST: 413

DOSE: 0.0% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Tongue

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Minimal

Hepatocyte

Hypertrophy

Minimal

Inflammation

Granulomatous, Multiple, Minimal

Mammary Gland

Fibroadenoma

[Fibroadenoma TGLS = 1-21]

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Tissue NOS

Note: TISSUE NOS IS MAMMARY GLAND(FIBROADENOMA).

Uterus

Dilatation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 238	TRT#: 10	SEX: Female	DAY ON TEST: 455
	DOSE: 0.0% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86036182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen	Ureter	Urinary Bladder	Uterus
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OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Minimal
	Hepatocyte	Hypertrophy	Minimal
Mesentery	Fat	Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 1-21		
Ovary		Cyst	
Note: CYST	TGLs = 2-22		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 239

TRT#: 10

SEX: Female

DAY ON TEST: 456

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

Ureter

Urinary Bladder

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Minimal

Mesentery

Fat

Necrosis

Focal, Moderate

Note: NECROSIS TGLs = 1-21

Uterus

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240

TRT#: 10

SEX: Female

DAY ON TEST: 455

DOSE: 0.0% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Urinary Bladder

Uterus

OBSERVATIONS

Clitoral Gland

Adenoma

Note: ADENOMA TGLs = 1-21

Kidney

Pelvis

Mineralization

Minimal

Renal Tubule

Mineralization

Mild

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Minimal

Spleen

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 241

TRT#: 16

SEX: Female

DAY ON TEST: 247

DOSE: 1.80%

DISP: Natural Death

HISTO: A85034485

OBSERVATIONS

Kidney	Transit Epithe	Hydronephrosis	Mild
	Pelvis	Hyperplasia	Mild
	Renal Tubule	Mineralization	Minimal
		Pigmentation	Mild
[Pigmentation TGLS = 3-5]			
Liver	Hepatocyte, Kupffer Cell	Inflammation	Granulomatous, Multiple, Mild
	Iliac	Pigmentation	Mild
Lymph Node		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 4-21			
Spleen	Capsule	Hematopoietic Cell Proliferation	Moderate
	Capsule	Hypertrophy	Moderate
		Inflammation	Chronic, Moderate
Ureter	Transit Epithe	Dilatation	Mild
		Hyperplasia	Mild
Note: DILATATION TGLs = 2-46			
Urinary Bladder	Transit Epithe	Carcinoma	
		Hemorrhage	Moderate
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Moderate
Note: HEMORRHAGE TGLs = 1-8,1-8-1			
Note: CARCINOMA TGLs = 1-8,1-8-1			
Uterus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 16

SEX: Female

DAY ON TEST: 333

DOSE: 1.80%

DISP: Natural Death

HISTO: A86036195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 6-21,7-22

Kidney

Bilateral

Hydronephrosis

Marked

Renal Tubule

Pigmentation

Mild

[Pigmentation TGLS = 4-5,5-5]

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Spleen

Congestion

Minimal

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Pigmentation

Mild

Note: INFLAMMATION TGLs = 3-6

Ureter

Dilatation

Marked

Note: DILATATION TGLs = 1-46

Urinary Bladder

Transit Epithe

Carcinoma

Wall

Infiltration Cellular

Lipocyte, Moderate

Leiomyosarcoma

Wall

Proliferation Connective Tissue

Marked

Note: LEIOMYOSAR TGLs = 2-8-1,2-8-2,2-8-3

Note: INFILTRAT CELL TGLs = 2-8

Note: CARCINOMA TGLs = 2-8-1,2-8-2,2-8-3

Uterus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 16

SEX: Female

DAY ON TEST: 309

DOSE: 1.80%

DISP: Natural Death

HISTO: A86036196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach

OBSERVATIONS

Kidney

Transit Epithe
Renal Tubule

Hydronephrosis
Hyperplasia
Pigmentation

Moderate
Marked
Mild

Note: HYDRONEPHROSIS TGLs = 4-22

Note: HYPERPLASIA TGLs = 4-22

Liver

Hepatocyte, Kupffer Cell

Inflammation
Pigmentation

Granulomatous, Multiple, Mild
Mild

Mesentery

Sarcoma

Metastatic (Urinary Bladder), Multiple (Urinary Bladder)

Note: SARCOMA TGLs = 2-21

Pancreas

Sarcoma

Metastatic (Urinary Bladder)

Spleen

Depletion Lymphoid

Moderate

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Stomach

Glandular, Serosa

Sarcoma

Metastatic (Urinary Bladder)

Ureter

Dilatation

Mild

Note: DILATATION TGLs = 3-46

Urinary Bladder

Transit Epithe

Carcinoma
Metaplasia
Sarcoma

Squamous, Marked

Note: CARCINOMA TGLs = 1-8-1,1-8-2,1-8-3

Note: PRIMARY SITE OF SARCOMA-METASTASIS IN STOMACH,PANCREAS,

Note: AND MESENTERY.

Note: SARCOMA TGLs = 1-8-1,1-8-2,1-8-3

Uterus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: MULTIPLE METASTASIS-ABDOMINAL CAVITY.

Animal Note: MODERATE AUTOLYSIS IN MANY ORGANS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 244

TRT#: 16

SEX: Female

DAY ON TEST: 340

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A86036197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Stomach - Glandular

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

[Polyp Adenomatous TGLS = 6-22]

Kidney

Renal Tubule

Hydronephrosis

Marked

Pigmentation

Mild

[Pigmentation TGLS = 4-21,5-5]

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Mild

Pigmentation

Minimal

Spleen

Congestion

Minimal

Hematopoietic Cell Proliferation

Moderate

Hyperplasia

Lymphoid, Moderate

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Note: HYPERPLASIA TGLs = 3-6

Stomach

Epithelium, Forestomach

Hyperplasia

Minimal

Ureter

Dilatation

Moderate

Note: DILATATION TGLs = 1-46

Urinary Bladder

Transit Epithe

Carcinoma

Squamous, Moderate

Metaplasia

Marked

Wall

Proliferation Connective Tissue

Sarcoma

Note: CARCINOMA TGLs = 2-8-1,2-8-2

Uterus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 16

SEX: Female

DAY ON TEST: 324

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A86036198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Intestine Large - Cecum

Intestine Large - Rectum

Stomach - Glandular

OBSERVATIONS

Adrenal Gland

Cortex

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 4-22

Kidney

Renal Tubule

Hydronephrosis

Marked

Liver

Bile Duct

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Hyperplasia

Mild

Inflammation

Granulomatous, Multiple, Minimal

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Lung

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Lymph Node

Iliac

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Mesenteric

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Note: SQUAM CEL CARC TGLs = 6-24

Note: SQUAM CEL CARC TGLs = 5-23

Mesentery

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Note: SQUAM CEL CARC TGLs = 2-21

Ovary

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Pancreas

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Spleen

Congestion

Moderate

Hematopoietic Cell Proliferation

Moderate

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Capsule

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Stomach

Forestomach

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Thymus

Squamous Cell Carcinoma

Metastatic (Urinary Bladder)

Ureter

Dilatation

Moderate

Urinary Bladder

Transit Epithe

Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 245

TRT#: 16

SEX: Female

DAY ON TEST: 324

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A86036198

ORGAN AND ACCOUNTABLE SITE STATUS

Wall

Metaplasia
Proliferation Connective Tissue
Squamous Cell Carcinoma

Squamous, Moderate
Marked

Note: SQUAMOUS CELL CARCINOMA - PRIMARY SITE.

Note: SQUAM CEL CARC TGLs = 3-8-1,3-8-2

Note: LUNGS, UTERUS, OVARY, ADRENAL GL. AND LYMPH NODES.

Note: CARCINOMA TGLs = 3-8-1,3-8-2

Note: METASTASIS IN KIDNEY, PANCREAS, MESENTERY,STOMACH,THYMUS

Uterus

Atrophy
Squamous Cell Carcinoma

Moderate
Metastatic (Urinary Bladder)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 246	TRT#: 16 DOSE: 1.80%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 408 HISTO: A86036199
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ureter
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OBSERVATIONS

Kidney	Pelvis	Dilatation	Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen		Depletion Lymphoid	Moderate
		Hematopoietic Cell Proliferation	Moderate
	Capsule	Hypertrophy	Mild
Note: HYPERTROPHY TGLs = 4-6			
Urinary Bladder	Transit Epithe	Carcinoma	
Note: CARCINOMA TGLs = 3-8-1			
Uterus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 247

TRT#: 16

SEX: Female

DAY ON TEST: 336

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A86036200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Stomach - Glandular

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 5-21,6-22

Kidney

Bilateral

Hydronephrosis

Minimal

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

[Pigmentation TGLs = 4-6]

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Mild

Pigmentation

Mild

Lymph Node

Iliac

Hyperplasia

Lymphoid, Mild

Note: HYPERPLASIA TGLs = 7-23

Spleen

Congestion

Moderate

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Note: HYPERTROPHY TGLs = 3-6

Stomach

Forestomach

Squamous Cell Papilloma

Note: PAPILLOMA SQUA TGLs = 8-24

Ureter

Dilatation

Mild

Note: DILATATION TGLs = 1-46

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Subacute, Moderate

Metaplasia

Squamous, Moderate

Wall

Proliferation Connective Tissue

Moderate

Note: CARCINOMA TGLs = 2-8,2-8-1

Note: METAPL TGLs = 2-8,2-8-1

Uterus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248	TRT#: 16	SEX: Female	DAY ON TEST: 327
	DOSE: 1.80%	DISP: Moribund Sacrifice	HISTO: A86036201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Transit Epithe	Hyperplasia	Moderate
	Pelvis	Mineralization	Minimal
	Renal Tubule	Mineralization	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Granulomatous, Multiple, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Spleen		Congestion	Mild
		Depletion Lymphoid	Moderate
Stomach	Capsule	Hypertrophy	Mild
	Glandular	Mineralization	Mild
	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA	TGLs = 2-21		
Note: MINERALIZATION	TGLs = 3-21		
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Mild
	Wall	Proliferation Connective Tissue	Mild
Note: PROLF CON TISS	TGLs = 1-8,1-8-1		
Note: CARCINOMA	TGLs = 1-8,1-8-1		
Uterus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 249

TRT#: 16

SEX: Female

DAY ON TEST: 307

DOSE: 1.80%

DISP: Natural Death

HISTO: A86036202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 3-21

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Spleen

Congestion

Mild

Depletion Lymphoid

Moderate

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 1-8,1-8-1

Uterus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 16

SEX: Female

DAY ON TEST: 425

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A86036203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Skin

Stomach - Glandular

OBSERVATIONS

Clitoral Gland

Duct

Cyst

Note: CYST TGLs = 8-22

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 7-21

Kidney

Pelvis

Dilatation

Moderate

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Mild

[Pigmentation TGLS = 6-5]

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Spleen

Congestion

Minimal

Hematopoietic Cell Proliferation

Moderate

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Stomach

Forestomach

Squamous Cell Papilloma

Note: PAPILLOMA SQUA TGLs = 9-4

Ureter

Dilatation

Mild

Note: DILATATION TGLs = 4-46

Urinary Bladder

Transit Epithe

Carcinoma

Wall

Infiltration Cellular

Lipocyte, Moderate

Inflammation

Suppurative, Moderate

Wall

Proliferation Connective Tissue

Moderate

Sarcoma

Note: CARCINOMA TGLs = 3-8,3-8-1

Uterus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 251	TRT#: 16	SEX: Female	DAY ON TEST: 48
	DOSE: 1.80%	DISP: Moribund Sacrifice	HISTO: A84033221

ORGAN AND ACCOUNTABLE SITE STATUS

MISSING

Ureter

OBSERVATIONS

Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Spleen		Congestion	Mild
		Depletion Lymphoid	Moderate
		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Moderate
Note: CONGESTION	TGLs = 1-6		
Urinary Bladder	Transit Epithe	Hyperplasia	Mild
Uterus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 16

SEX: Female

DAY ON TEST: 307

DOSE: 1.80%

DISP: Natural Death

HISTO: A86036204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum
Ureter

Intestine Large - Rectum

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Intestine Large
Kidney

Colon, Epithelium
Transit Epithe
Transit Epithe
Pelvis
Renal Tubule
Renal Tubule

Hyperplasia
Carcinoma
Hyperplasia
Mineralization
Mineralization
Pigmentation

Marked

Mild
Mild
Mild
Mild

[Pigmentation TGLS = 2-5]

Liver

Hepatocyte, Kupffer Cell

Inflammation
Pigmentation
Congestion
Depletion Lymphoid

Granulomatous, Multiple, Mild
Mild
Mild
Moderate

Spleen

Capsule
Capsule

Hypertrophy
Inflammation
Pigmentation

Mild
Chronic, Mild
Mild

Urinary Bladder

Transit Epithe

Carcinoma
Metaplasia

Squamous, Mild

Note: CARCINOMA TGLs = 1-8,1-8-1

Note: METAPL TGLs = 1-8,1-8-1

Uterus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 253	TRT#: 16 DOSE: 1.80%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 221 HISTO: A85034302
OBSERVATIONS			
Kidney	Pelvis	Hydronephrosis	Marked
	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Mineralization	Mild
	Renal Tubule	Pigmentation	Moderate
Note: HYDRONEPHROSIS TGLs = 2-5,3-5			
Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Spleen		Congestion	Mild
		Depletion Lymphoid	Minimal
		Hematopoietic Cell Proliferation	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
Note: CONGESTION TGLs = 1-6			
Note: PIGMENT TGLs = 1-6			
[Congestion TGLs = 1-6]			
[Hypertrophy TGLs = 1-6]			
Ureter		Dilatation	Marked
Urinary Bladder	Transit Epithe	Carcinoma	
		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Marked
	Wall	Proliferation Connective Tissue	Marked
		Squamous Cell Papilloma	
Note: PROLF CON TISS TGLs = 4-8-1			
Note: INFLAMMATION TGLs = 4-8-1			
Note: PAPILLOMA SQUA TGLs = 4-8-1,5-8-2			
Note: CARCINOMA TGLs = 5-8-1,5-8-2			
Uterus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 16

SEX: Female

DAY ON TEST: 219

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034303

OBSERVATIONS

Kidney

Transit Epithe
Renal Tubule

Hydronephrosis
Hyperplasia
Pigmentation

Moderate
Mild
Moderate

Note: HYDRONEPHROSIS TGLs = 5-5

Liver

Hepatocyte, Kupffer Cell
Iliac

Inflammation
Pigmentation
Hyperplasia

Granulomatous, Multiple, Mild
Mild
Lymphoid, Marked

Lymph Node

Note: HYPERPLASIA TGLs = 6-21

Spleen

Capsule
Capsule

Congestion
Hematopoietic Cell Proliferation
Hypertrophy
Inflammation
Pigmentation

Mild
Moderate
Mild
Chronic, Mild
Minimal

Note: CONGESTION TGLs = 4-6

Note: HEMA CELL PROL TGLs = 4-6

[Congestion TGLs = 4-6]

[Hematopoietic Cell Proliferation TGLs = 4-6]

[Hypertrophy TGLs = 4-6]

Ureter

Note: DILATATION TGLs = 1-46

Dilatation

Mild

Urinary Bladder

Transit Epithe
Wall

Carcinoma
Metaplasia
Proliferation Connective Tissue

Squamous, Moderate
Mild

Note: METAPL TGLs = 2-8-1

Note: PROLF CON TISS TGLs = 2-8-1

Note: CARCINOMA TGLs = 2-8-1

Uterus

Note: ATROPHY TGLs = 3-7

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 255

TRT#: 16

SEX: Female

DAY ON TEST: 239

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034486

OBSERVATIONS

Kidney

Renal Tubule

Hydronephrosis

Marked

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

Note: HYDRONEPHROSIS TGLs = 5-5

Liver

Hepatodiaphragmatic Nodule

Mild

Inflammation

Granulomatous, Multiple, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Spleen

Congestion

Mild

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Moderate

Pigmentation

Mild

Note: CONGESTION TGLs = 6-6

Note: INFLAMMATION TGLs = 6-6

[Congestion TGLs = 6-6]

Ureter

Dilatation

Marked

Note: DILATATION TGLs = 1-46

Urinary Bladder

Transit Epithe

Carcinoma

Squamous, Moderate

Metaplasia

Moderate

Wall

Proliferation Connective Tissue

Note: CARCINOMA TGLs = 3-8-1

Note: METAPL TGLs = 3-8-1

Uterus

Atrophy

Moderate

Cervix

Carcinoma

Metastatic (Urinary Bladder)

Note: ATROPHY TGLs = 4-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 16

SEX: Female

DAY ON TEST: 268

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034627

OBSERVATIONS

Kidney		Hydronephrosis	Moderate
	Pelvis	Mineralization	Minimal
	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Moderate
	Renal Tubule	Regeneration	Moderate
[Pigmentation TGLs = 5-5]			
Liver		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Spleen		Congestion	Marked
		Depletion Lymphoid	Minimal
		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
Note: CONGESTION TGLs = 4-6			
Ureter		Dilatation	Mild
Note: DILATATION TGLs = 1-46			
Urinary Bladder	Transit Epithe	Carcinoma	
		Hemorrhage	Marked
		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Mild
	Wall	Proliferation Connective Tissue	Moderate
Note: CARCINOMA TGLs = 2-8,2-8-1			
Note: PROLF CON TISS TGLs = 2-8,2-8-1			
Note: METAPL TGLs = 2-8,2-8-1			
Note: INFLAMMATION TGLs = 2-8,2-8-1			
Note: HEMORRHAGE TGLs = 2-8,2-8-1			
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 16

SEX: Female

DAY ON TEST: 284

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A86036205

OBSERVATIONS

Kidney	Bilateral	Hydronephrosis	Moderate
	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Mineralization	Minimal
	Papilla	Necrosis	Moderate
	Renal Tubule	Pigmentation	Mild
Note: HYDRONEPHROSIS	TGLs = 3-5,4-5		
Liver	Hepatocyte, Kupffer Cell	Inflammation	Granulomatous, Multiple, Mild
		Pigmentation	Mild
Pancreas		Ectopic Tissue	Mild
Note: ECT TISSUE	TGLs = 5-21		
Note: MASS #21-PANCREAS IS ECTOPIC TISSUE.			
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
Ureter		Dilatation	Moderate
Note: DILATATION	TGLs = 1-46		
Urinary Bladder	Transit Epithe	Carcinoma	
		Necrosis	Marked
	Wall	Proliferation Connective Tissue	Marked
		Sarcoma	
Note: CARCINOMA	TGLs = 2-8,2-8-1		
Note: PROLF CON TISS	TGLs = 2-8,2-8-1		
Uterus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 258

TRT#: 16

SEX: Female

DAY ON TEST: 248

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 4-21

Kidney

Hydronephrosis

Mild

Transit Epithe

Hyperplasia

Moderate

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Mild

[Pigmentation TGLS = 3-5]

Liver

Inflammation

Granulomatous, Multiple, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Lymph Node

Iliac

Hyperplasia

Lymphoid, Moderate

Note: HYPERPLASIA TGLs = 5-22

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Mild

Ureter

Dilatation

Mild

Transit Epithe

Hyperplasia

Moderate

Note: HYPERPLASIA TGLs = 1-46

Note: DILATATION TGLs = 1-46

Urinary Bladder

Transit Epithe

Carcinoma

Squamous, Moderate

Metaplasia

Sarcoma

Note: CARCINOMA TGLs = 2-8-1

Note: SARCOMA TGLs = 2-8-1

Uterus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 16

SEX: Female

DAY ON TEST: 303

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A86036206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 6-21

Kidney

Hydronephrosis

Mild

Transit Epithe

Hyperplasia

Mild

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

Liver

Inflammation

Granulomatous, Multiple, Minimal

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Pigmentation

Mild

Note: HYPERTROPHY TGLs = 4-6

[Congestion TGLs = 4-6]

Ureter

Dilatation

Mild

Note: DILATATION TGLs = 1-46

Urinary Bladder

Transit Epithe

Carcinoma

Suppurative, Moderate

Inflammation

Moderate

Wall

Proliferation Connective Tissue

Sarcoma

Note: CARCINOMA TGLs = 2-8,3-8

Uterus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 16

SEX: Female

DAY ON TEST: 268

DOSE: 1.80%

DISP: Moribund Sacrifice

HISTO: A85034628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Intestine Large

Colon

Parasite Metazoan

Mild

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 5-21

Kidney

Pelvis

Hydronephrosis

Marked

Renal Tubule

Necrosis

Mild

Renal Tubule

Pigmentation

Mild

Note: HYDRONEPHROSIS TGLs = 4-5

Regeneration

Moderate

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Mild

Pigmentation

Mild

Spleen

Capsule

Congestion

Mild

Hematopoietic Cell Proliferation

Moderate

Note: CONGESTION TGLs = 3-6

Note: HEMA CELL PROL TGLs = 3-6

Capsule

Hypertrophy

Mild

Inflammation

Chronic, Minimal

Ureter

Note: DILATATION TGLs = 2-46

Dilatation

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Suppurative, Marked

Inflammation

Squamous, Mild

Metaplasia

Proliferation Connective Tissue

Marked

Note: PROLF CON TISS TGLs = 1-8-1

Note: TRANS. CELL CARCIN. HAS GLANDULAR PATTERN.

Note: CARCINOMA TGLs = 1-8-1

Wall

Uterus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 261

TRT#: 17

SEX: Female

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct	Mineralization	Minimal
	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 1-5]			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Moderate
Note: PIGMENT TGLs = 3-6			
Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
		Pigmentation	Mild
Note: CONGESTION TGLs = 2-6			
Urinary Bladder	Transit Epithe	Hyperplasia	Marked
		Metaplasia	Squamous, Moderate
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 4-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 17

SEX: Female

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct Renal Tubule	Mineralization Pigmentation	Mild Moderate
[Mineralization TGLs = 1-5]			
Liver	Hepatodiaphragmatic Nodule Hepatocyte Hepatocyte Hepatocyte, Kupffer Cell	Hepatodiaphragmatic Nodule Hypertrophy Necrosis Pigmentation	Mild Mild Multifocal, Mild Mild
Note: HDN TGLs = 5-21 Note: PIGMENT TGLs = 4-6			
Spleen	Capsule Capsule	Congestion Depletion Lymphoid Hypertrophy Inflammation Pigmentation	Marked Mild Mild Chronic, Mild Mild
Note: CONGESTION TGLs = 3-6 [Congestion TGLs = 3-6]			
Urinary Bladder	Transit Epithe	Hyperplasia Metaplasia Atrophy	Moderate Squamous, Moderate Marked
Uterus			
Note: ATROPHY TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 263

TRT#: 17

SEX: Female

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct	Mineralization	Mild
	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 1-5]			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: PIGMENT TGLs = 4-6			
Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
[Congestion TGLS = 2-6]			
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Mild
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 264

TRT#: 17

SEX: Female

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 3-5]			
Liver	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Note: PIGMENT TGLs = 4-6			
Spleen		Congestion	Marked
		Depletion Lymphoid	Mild
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Moderate
[Congestion TGLS = 2-6]			
[Pigmentation TGLS = 2-6]			
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Mild
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 17

SEX: Female

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct Renal Tubule	Mineralization Pigmentation	Mild Marked
Note: MALLORYS STAIN FOR IRON/MILD [Mineralization TGLS = 2-5]			
Liver	Hepatocyte Hepatocyte Hepatocyte, Kupffer Cell	Hypertrophy Necrosis Pigmentation	Mild Multifocal, Minimal Mild
Note: MALLORYS STAIN FOR IRON/MILD Note: PIGMENT TGLs = 4-6			
Spleen	Capsule Capsule	Congestion Depletion Lymphoid Hypertrophy Inflammation Pigmentation	Marked Moderate Mild Chronic, Moderate Moderate
Note: MALLORYS STAIN FOR IRON/MARKED Note: CONGESTION TGLs = 3-6			
Urinary Bladder	Transit Epithe Wall	Hyperplasia Inflammation Metaplasia Proliferation Connective Tissue Atrophy	Marked Subacute, Moderate Squamous, Moderate Moderate Marked
Uterus			
Note: ATROPHY TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 17

SEX: Female

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct	Mineralization	Minimal
	Renal Tubule	Pigmentation	Moderate
Note: PIGMENT TGLs = 1-5			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
[Necrosis TGLS = 3-6]			
Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate
[Depletion Lymphoid TGLS = 2-6]			
[Hypertrophy TGLS = 2-6]			
Urinary Bladder	Transit Epithe	Hyperplasia	Marked
		Inflammation	Subacute, Moderate
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Mild
		Atrophy	Marked
Uterus			
Note: ATROPHY TGLs = 4-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 17

SEX: Female

DAY ON TEST: 88

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct	Mineralization	Minimal
	Renal Tubule	Pigmentation	Marked
[Pigmentation TGLS = 1-5]			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: PIGMENT TGLs = 3-6			
Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
[Congestion TGLS = 2-5]			
[Depletion Lymphoid TGLS = 2-5]			
Urinary Bladder	Transit Epithe	Hyperplasia	Marked
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Marked
	Wall	Proliferation Connective Tissue	Mild
		Atrophy	Marked
Uterus			
Note: ATROPHY TGLs = 4-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 17

SEX: Female

DAY ON TEST: 87

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct Renal Tubule	Mineralization Pigmentation	Minimal Moderate
Note: BEST SECTIONS TAKEN. Note: MALLORYS STAIN FOR IRON/MILD [Pigmentation TGLS = 3-5]			
Liver	Hepatocyte Hepatocyte Hepatocyte, Kupffer Cell	Hypertrophy Necrosis Pigmentation	Mild Multifocal, Minimal Mild
Note: PIGMENT TGLs = 4-6 Note: MALLORYS STAIN FOR IRON/MILD			
Spleen	Capsule Capsule	Congestion Depletion Lymphoid Hypertrophy Inflammation Pigmentation	Marked Moderate Mild Chronic, Moderate Moderate
Note: MALLORYS STAIN FOR IRON/MODERATE [Congestion TGLS = 2-6] [Pigmentation TGLS = 2-6]			
Urinary Bladder	Transit Epithe Wall	Hyperplasia Inflammation Metaplasia Proliferation Connective Tissue Atrophy	Marked Subacute, Moderate Squamous, Marked Mild Marked
Uterus			
Note: ATROPHY TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 17

SEX: Female

DAY ON TEST: 88

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct	Mineralization	Mild
	Renal Tubule	Pigmentation	Moderate
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Moderate
Spleen		Vacuolization Cytoplasmic	Moderate
		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate
Urinary Bladder	Transit Epithe	Hyperplasia	Marked
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Mild
Uterus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 17

SEX: Female

DAY ON TEST: 88

DOSE: 1.80% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct	Mineralization	Minimal
	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 3-5]			
Liver	Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Necrosis	Multifocal, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Multifocal, Minimal
Note: PIGMENT TGLs = 4-6			
Spleen		Congestion	Moderate
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Moderate
[Congestion TGLS = 2-6]			
Urinary Bladder	Transit Epithe	Hyperplasia	Marked
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Mild
	Wall	Proliferation Connective Tissue	Mild
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 271

TRT#: 18

SEX: Female

DAY ON TEST: 190

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Transit Epithe	Hyperplasia	Marked
	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLs = 4-5]			
Liver	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte	Necrosis	Multifocal, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: PIGMENT TGLs = 5-6			
Spleen		Congestion	Marked
		Depletion Lymphoid	Mild
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
Note: CONGESTION TGLs = 3-6			
Urinary Bladder	Transit Epithe	Carcinoma	Subacute, Mild
		Inflammation	Squamous, Marked
		Metaplasia	Moderate
	Wall	Proliferation Connective Tissue	
Note: METAPL TGLs = 1-8			
Note: CARCINOMA TGLs = 1-8			
Note: PROLF CON TISS TGLs = 1-8			
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 272

TRT#: 18

SEX: Female

DAY ON TEST: 190

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 2-5]			
Liver	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Necrosis	Multifocal, Mild
	Hepatocyte	Pigmentation	Mild
Note: PIGMENT TGLs = 5-6		Vacuolization Cytoplasmic	Mild
Spleen		Congestion	Mild
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
Note: CONGESTION TGLs = 1-6			
Urinary Bladder	Transit Epithe	Carcinoma	Subacute, Mild
		Inflammation	Squamous, Marked
		Metaplasia	
	Wall	Proliferation Connective Tissue	Moderate
Note: METAPL TGLs = 3-8			
Note: CARCINOMA TGLs = 3-8			
Note: PROLF CON TISS TGLs = 3-8			
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 4-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 273

TRT#: 18

SEX: Female

DAY ON TEST: 190

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 2-5]			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Necrosis	Multifocal, Minimal
Note: PIGMENT TGLs = 5-6		Pigmentation	Mild
Spleen		Congestion	Mild
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Mild
Note: CONGESTION TGLs = 4-6			
Urinary Bladder	Transit Epithe	Carcinoma	Subacute, Mild
		Inflammation	Squamous, Marked
		Metaplasia	
	Wall	Proliferation Connective Tissue	Moderate
Note: METAPL TGLs = 1-8			
Note: CARCINOMA TGLs = 1-8			
Note: PROLF CON TISS TGLs = 1-8			
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 274

TRT#: 18

SEX: Female

DAY ON TEST: 190

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct	Mineralization	Mild
	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 4-6]			
Liver	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Necrosis	Multifocal, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: PIGMENT TGLs = 5-6			
Spleen		Congestion	Mild
		Depletion Lymphoid	Mild
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
Note: CONGESTION TGLs = 3-6			
Urinary Bladder	Transit Epithe	Carcinoma	
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Mild
Note: METAPL TGLs = 2-8			
Note: CARCINOMA TGLs = 2-8			
Note: PROLF CON TISS TGLs = 2-8			
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 18

SEX: Female

DAY ON TEST: 190

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Pigmentation	Marked
[Pigmentation TGLs = 3-5]			
Liver	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Necrosis	Multifocal, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: PIGMENT TGLs = 5-6			
Spleen		Congestion	Moderate
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Mild
Note: CONGESTION TGLs = 4-6			
Urinary Bladder	Transit Epithe	Carcinoma	
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Marked
	Wall	Proliferation Connective Tissue	Moderate
Note: METAPL TGLs = 1-8			
Note: PROLF CON TISS TGLs = 1-8			
Note: CARCINOMA TGLs = 1-8			
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 18

SEX: Female

DAY ON TEST: 190

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct Renal Tubule	Mineralization Pigmentation	Minimal Moderate
Note: MINERALIZATION TGLs = 4-6 [Pigmentation TGLS = 4-6]			
Liver	Hepatocyte Hepatocyte Hepatocyte, Kupffer Cell	Hypertrophy Inflammation Necrosis Pigmentation	Mild Granulomatous, Multiple, Mild Multifocal, Mild Mild
Note: PIGMENT TGLs = 5-6			
Spleen		Congestion Depletion Lymphoid Capsule Capsule	Moderate Moderate Moderate Chronic, Moderate Mild
Note: CONGESTION TGLs = 1-6			
Urinary Bladder	Transit Epithe Wall	Carcinoma Inflammation Metaplasia Proliferation Connective Tissue	Subacute, Mild Squamous, Marked Mild
Note: CARCINOMA TGLs = 3-8 Note: METAPL TGLs = 3-8 Note: PROLF CON TISS TGLs = 3-8			
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 277

TRT#: 18

SEX: Female

DAY ON TEST: 190

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Pigmentation	Moderate
Note: PIGMENT TGLs = 4-5			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: PIGMENT TGLs = 5-6			
Spleen		Congestion	Mild
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
Note: CONGESTION TGLs = 3-6			
Note: PIGMENT TGLs = 3-6			
Urinary Bladder	Transit Epithe	Carcinoma	Subacute, Mild
		Inflammation	Squamous, Mild
		Metaplasia	Mild
	Wall	Proliferation Connective Tissue	
Note: CARCINOMA TGLs = 1-8			
Note: PROLF CON TISS TGLs = 1-8			
Note: METAPL TGLs = 1-8			
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 278

TRT#: 18

SEX: Female

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 2-5]			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: PIGMENT TGLs = 4-6			
Spleen		Congestion	Marked
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Mild
[Pigmentation TGLS = 3-6]			
Urinary Bladder	Transit Epithe	Carcinoma	
		Inflammation	Subacute, Mild
		Metaplasia	Squamous, Marked
	Wall	Proliferation Connective Tissue	Mild
Note: METAPL TGLs = 1-8			
Note: CARCINOMA TGLs = 1-8			
Note: PROLF CON TISS TGLs = 1-8			
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 5-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 279

TRT#: 18

SEX: Female

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Pigmentation	Marked
[Pigmentation TGLS = 3-5]			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Multifocal, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: PIGMENT TGLs = 2-6			
Spleen		Congestion	Mild
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
Note: CONGESTION TGLs = 1-6			
[Depletion Lymphoid TGLs = 1-6]			
Urinary Bladder	Transit Epithe	Carcinoma	Subacute, Mild
		Inflammation	Squamous, Marked
		Metaplasia	Moderate
	Wall	Proliferation Connective Tissue	
Note: METAPL TGLs = 4-8			
Note: PROLF CON TISS TGLs = 4-5-8			
Note: CARCINOMA TGLs = 4-5-8			
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 5-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 18

SEX: Female

DAY ON TEST: 191

DOSE: 1.80% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85033990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Pigmentation	Marked
[Pigmentation TGLS = 3-5]			
Liver	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Necrosis	Multifocal, Mild
Note: PIGMENT TGLs = 2-6		Pigmentation	Mild
Spleen		Congestion	Marked
		Depletion Lymphoid	Mild
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Mild
Note: CONGESTION TGLs = 1-6			
Note: HYPERTROPHY TGLs = 1-6			
Note: PIGMENT TGLs = 1-6			
Urinary Bladder	Transit Epithe	Carcinoma	Subacute, Mild
		Inflammation	Squamous, Marked
		Metaplasia	
	Wall	Proliferation Connective Tissue	Moderate
Note: CARCINOMA TGLs = 4-8			
Note: METAPL TGLs = 4-8			
Uterus		Atrophy	Marked
Note: ATROPHY TGLs = 5-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 19

SEX: Female

DAY ON TEST: 275

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Mild

Note: MINERALIZATION TGLs = 2-5

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Moderate

Pigmentation

Mild

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 1-8-1

Uterus

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 282

TRT#: 19

SEX: Female

DAY ON TEST: 275

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

Liver

Hepatodiaphragmatic Nodule

Mild

Inflammation

Granulomatous, Multiple, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Note: HDN TGLs = 3-21

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Pigmentation

Mild

Note: CONGESTION TGLs = 2-6

Note: INFLAMMATION TGLs = 2-6

[Congestion TGLS = 2-6]

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Suppurative, Moderate

Metaplasia

Squamous, Mild

Wall

Proliferation Connective Tissue

Mild

Note: PROLF CON TISS TGLs = 1-8-1

Note: INFLAMMATION TGLs = 1-8-1

Note: CARCINOMA TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 19

SEX: Female

DAY ON TEST: 274

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Intestine Large

Colon

Parasite Metazoan

Mild

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 7-23

Note: PARASITE META TGLs = 6-22

Kidney

Renal Tubule

Nephropathy

Chronic, Minimal

Pigmentation

Mild

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Mild

Pigmentation

Mild

Lymph Node

Pancreatic

Hyperplasia

Lymphoid, Moderate

Note: HYPERPLASIA TGLs = 3-21

Spleen

Capsule

Hematopoietic Cell Proliferation

Moderate

Capsule

Hypertrophy

Moderate

Inflammation

Chronic, Moderate

Note: HYPERTROPHY TGLs = 2-5

[Hypertrophy TGLS = 2-5]

Ureter

Dilatation

Mild

Note: DILATATION TGLs = 4-46

Urinary Bladder

Transit Epithe

Carcinoma

Squamous, Moderate

Metaplasia

Wall

Proliferation Connective Tissue

Mild

Note: CARCINOMA TGLs = 1-8-1

Note: PROLF CON TISS TGLs = 1-8-1

Note: METAPL TGLs = 1-8-1

Uterus

Atrophy

Mild

Note: ATROPHY TGLs = 5-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 19

SEX: Female

DAY ON TEST: 274

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Spleen		Congestion	Moderate
		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
Note: CONGESTION	TGLs = 2-6		
Note: HYPERTROPHY	TGLs = 2-6		
	[Hypertrophy TGLS = 2-6]		
	[Pigmentation TGLS = 2-6]		
Urinary Bladder	Transit Epithe	Carcinoma	
		Inflammation	Subacute, Mild
	Wall	Proliferation Connective Tissue	Moderate
Note: INFLAMMATION	TGLs = 1-8		
Note: PROLF CON TISS	TGLs = 1-8		
Note: CARCINOMA	TGLs = 1-8		
Uterus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 285

TRT#: 19

SEX: Female

DAY ON TEST: 275

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Mild
Note: CONGESTION TGLs = 3-6			
Urinary Bladder	Transit Epithe	Carcinoma	
		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Moderate
		Sarcoma	
Note: CARCINOMA TGLs = 2-8-1			
Note: PROLF CON TISS TGLs = 2-8-1			
Note: METAPL TGLs = 2-8-1			
Note: INFLAMMATION TGLs = 2-8-1			
Note: SARCOMA TGLs = 2-8-1			
Uterus		Atrophy	Mild
Note: ATROPHY TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 19

SEX: Female

DAY ON TEST: 245

DOSE: 1.80% 9 SSAC

DISP: Moribund Sacrifice

HISTO: A85034488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Glandular

Ureter

OBSERVATIONS

Kidney

Transit Epithe

Hyperplasia

Moderate

Renal Tubule

Mineralization

Mild

Renal Tubule

Pigmentation

Moderate

Liver

Inflammation

Granulomatous, Multiple, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Spleen

Atrophy

Moderate

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Minimal

Pigmentation

Mild

Note: PIGMENT TGLs = 2-6

Note: INFLAMMATION TGLs = 2-6

Note: HYPERTROPHY TGLs = 2-6

Stomach

Forestomach

Squamous Cell Papilloma

Note: PAPILOMA SQUA TGLs = 4-21

Thymus

Atrophy

Moderate

Note: ATROPHY TGLs = 3-3

Urinary Bladder

Transit Epithe

Carcinoma

Metaplasia

Squamous, Marked

Note: CARCINOMA TGLs = 1-8-1

Note: METAPL TGLs = 1-8-1

Uterus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 19

SEX: Female

DAY ON TEST: 275

DOSE: 1.80% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Uterus

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Spleen		Congestion	Moderate
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Minimal
		Pigmentation	Mild
Ureter		Dilatation	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Mild
		Sarcoma	

Note: CARCINOMA TGLs = 1-8-1

Note: SARCOMA TGLs = 1-8-1

Note: MIXED TUMOR

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 19

SEX: Female

DAY ON TEST: 233

DOSE: 1.80% 9 SSAC

DISP: Natural Death

HISTO: A85034304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum	Intestine Large - Rectum	Lymph Node	Ureter
OBSERVATIONS			
Intestine Large Note: POLYP ADENOMAT TGLs = 3-21	Colon	Polyp Adenomatous	Multiple
Kidney	Transit Epithe Pelvis Renal Tubule Papilla Renal Tubule	Hyperplasia Mineralization Mineralization Necrosis Pigmentation	Mild Minimal Moderate Marked Moderate
Liver	Hepatocyte, Kupffer Cell	Inflammation Pigmentation	Granulomatous, Multiple, Minimal Mild
Spleen	Capsule Capsule	Congestion Depletion Lymphoid Hypertrophy Inflammation Pigmentation Congestion	Minimal Moderate Moderate Chronic, Moderate Mild Moderate
Thymus Note: CONGESTION TGLs = 4-3			
Urinary Bladder Note: HEMORRHAGE TGLs = 2-8-1 Note: METAPL TGLs = 2-8-1 Note: CARCINOMA TGLs = 2-8-1	Transit Epithe	Carcinoma Hemorrhage Metaplasia	Moderate Squamous, Marked
Uterus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 289

TRT#: 19

SEX: Female

DAY ON TEST: 247

DOSE: 1.80% 9 SSAC

DISP: Moribund Sacrifice

HISTO: A85034489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Intestine Large

Colon, Epithelium

Hyperplasia

Mild

Kidney

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Moderate

Liver

Inflammation

Granulomatous, Multiple, Minimal

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Spleen

Hematopoietic Cell Proliferation

Moderate

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Urinary Bladder

Transit Epithe

Carcinoma

Squamous, Mild

Metaplasia

Note: METAPL TGLs = 1-8

Note: CARCINOMA TGLs = 1-8

Uterus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 19

SEX: Female

DAY ON TEST: 262

DOSE: 1.80% 9 SSAC

DISP: Natural Death

HISTO: A85034629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node

OBSERVATIONS

Kidney

Hydronephrosis

Moderate

Nephropathy

Chronic, Moderate

Pigmentation

Mild

Renal Tubule

Note: HYDRONEPHROSIS TGLs = 4-5

Liver

Inflammation

Granulomatous, Multiple, Mild

Pigmentation

Mild

Hepatocyte, Kupffer Cell

Lymph Node

Note: MEDIASTINAL L.N. WAS NORMAL

Spleen

Depletion Lymphoid

Mild

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Minimal

Pigmentation

Mild

Note: PIGMENT TGLs = 2-6

Note: INFLAMMATION TGLs = 2-6

Ureter

Dilatation

Moderate

Note: DILATATION TGLs = 1-46

Urinary Bladder

Transit Epithe

Carcinoma

Suppurative, Mild

Inflammation

Squamous, Marked

Metaplasia

Proliferation Connective Tissue

Moderate

Wall

Sarcoma

Note: PROLF CON TISS TGLs = 3-8-1

Uterus

Atrophy

Mild

Note: ATROPHY TGLs = 5-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 291

TRT#: 20

SEX: Female

DAY ON TEST: 317

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Rectum

Ureter

OBSERVATIONS

Intestine Large

Colon

Carcinoma

Colon

Polyp Adenomatous

Colon

Proliferation Connective Tissue

Marked

Cecum

Ulcer

Moderate

Note: POLYP ADENOMAT TGLs = 5-21

Note: ULCER TGLs = 6-22

Kidney

Pelvis

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Mild

Spleen

Pigmentation

Mild

Congestion

Mild

Depletion Lymphoid

Mild

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Mild

Pigmentation

Mild

Note: INFLAMMATION TGLs = 2-6

[Congestion TGLs = 2-6]

Urinary Bladder

Transit Epithe

Carcinoma

Wall

Proliferation Connective Tissue

Mild

Note: PROLF CON TISS TGLs = 1-8

Note: CARCINOMA TGLs = 1-8

Uterus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292

TRT#: 20

SEX: Female

DAY ON TEST: 345

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 2-21

Kidney

Transit Epithe

Hyperplasia

Moderate

Pelvis

Mineralization

Minimal

Renal Tubule

Mineralization

Mild

Renal Tubule

Pigmentation

Mild

Renal Tubule

Regeneration

Moderate

Liver

Inflammation

Granulomatous, Multiple, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Lymph Node

Iliac

Hyperplasia

Lymphoid, Moderate

Note: HYPERPLASIA TGLs = 3-22

Spleen

Hematopoietic Cell Proliferation

Moderate

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Urinary Bladder

Transit Epithe

Carcinoma

Hemorrhage

Moderate

Metaplasia

Squamous, Mild

Sarcoma

Note: CARCINOMA TGLs = 1-8,1-8-1

Note: SARCOMA TGLs = 1-8,1-8-1

Note: HEMORRHAGE TGLs = 1-8,1-8-1

Uterus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 20

SEX: Female

DAY ON TEST: 265

DOSE: 1.80% 15 SSAC

DISP: Natural Death

HISTO: A85034630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Eye	Cornea	Edema	Moderate
Note: EDEMA TGLs = 7-44			
Intestine Large	Colon	Autolysis	Minimal
	Rectum	Autolysis	Minimal
Kidney	Transit Epithe	Hydronephrosis	Moderate
	Renal Tubule	Hyperplasia	Mild
	Pelvis	Mineralization	Minimal
	Renal Tubule	Necrosis	Mild
[Pigmentation TGLS = 6-5]		Pigmentation	Mild
Liver	Hepatocyte, Kupffer Cell	Inflammation	Granulomatous, Multiple, Mild
		Pigmentation	Minimal
Spleen		Depletion Lymphoid	Minimal
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
Note: HYPERTROPHY TGLs = 5-6		Pigmentation	Mild
Note: INFLAMMATION TGLs = 5-6			
Ureter		Dilatation	Moderate
Note: DILATATION TGLs = 4-46			
Urinary Bladder	Transit Epithe	Carcinoma	
		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Moderate
	Transit Epithe	Papilloma	Multiple
	Wall	Proliferation Connective Tissue	Moderate
		Squamous Cell Papilloma	Multiple
Note: INFLAMMATION TGLs = 2-8-1			
Note: METAPL TGLs = 2-8-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 20

SEX: Female

DAY ON TEST: 265

DOSE: 1.80% 15 SSAC

DISP: Natural Death

HISTO: A85034630

ORGAN AND ACCOUNTABLE SITE STATUS

Note: PAPILLOMA SQUA TGLs = 2-8-1

Note: PAPILLOMA TGLs = 2-8-1

Note: CARCINOMA TGLs = 2-8-1

Note: PROLF CON TISS TGLs = 2-8-1

Uterus

Cervix

Leiomyosarcoma

Note: LEIOMYOSAR TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 20

SEX: Female

DAY ON TEST: 346

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum	Intestine Large - Rectum	Ureter	
OBSERVATIONS			
Intestine Large Note: POLYP ADENOMAT TGLs = 5-21	Colon	Polyp Adenomatous	Multiple
Kidney	Transit Epithe Pelvis Transit Epithe Renal Tubule	Hyperplasia Mineralization Papilloma Pigmentation	Mild Minimal Mild
Liver	Hepatocyte, Kupffer Cell	Inflammation Pigmentation	Granulomatous, Multiple, Mild Minimal
Lymph Node Note: ANGIECTASIS TGLs = 4-5	Mesenteric	Angiectasis	Moderate
Spleen		Congestion Hematopoietic Cell Proliferation	Mild Mild
	Capsule Capsule	Hypertrophy Inflammation	Mild Chronic, Moderate
Note: INFLAMMATION TGLs = 6-6 Note: HYPERTROPHY TGLs = 6-6			
Urinary Bladder	Transit Epithe Wall	Carcinoma Metaplasia Proliferation Connective Tissue	Squamous, Moderate Mild
Note: METAPL TGLs = 1-8,1-8-1 Note: PROLF CON TISS TGLs = 1-8,1-8-1 Note: CARCINOMA TGLs = 1-8,1-8-1			
Uterus Note: DILATATION TGLs = 2-7		Dilatation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 295

TRT#: 20

SEX: Female

DAY ON TEST: 345

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 5-21,6-21

Kidney

Renal Tubule

Pigmentation

Mild

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Minimal

Lymph Node

Iliac

Pigmentation

Minimal

Note: HYPERPLASIA TGLs = 7-22

Hyperplasia

Lymphoid, Moderate

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Note: CONGESTION TGLs = 4-6

Urinary Bladder

Transit Epithe

Carcinoma

Squamous, Marked

Metaplasia

Multiple

Squamous Cell Papilloma

Note: PAPILLOMA SQUA TGLs = 1-8-1,1-8-2

Note: CARCINOMA TGLs = 1-8-1,1-8-2

Note: METAPL TGLs = 1-8-1,1-8-2

Uterus

Dilatation

Marked

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 20

SEX: Female

DAY ON TEST: 298

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

OBSERVATIONS

Intestine Large

Colon, Epithelium

Hyperplasia

Mild

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 4-21

Kidney

Hydronephrosis

Mild

Transit Epithe

Hyperplasia

Mild

Pelvis

Mineralization

Minimal

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

Liver

Inflammation

Granulomatous, Multiple, Mild

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Lymph Node

Iliac

Hyperplasia

Lymphoid, Moderate

Note: HYPERPLASIA TGLs = 5-22

Spleen

Congestion

Moderate

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Moderate

Capsule

Inflammation

Chronic, Mild

Note: INFLAMMATION TGLs = 3-6

Note: HYPERTROPHY TGLs = 3-6

Ureter

Dilatation

Moderate

Note: DILATATION TGLs = 1-46

Urinary Bladder

Transit Epithe

Carcinoma

Suppurative, Moderate

Inflammation

Squamous, Marked

Metaplasia

Wall

Proliferation Connective Tissue

Marked

Note: CARCINOMA TGLs = 2-8,2-8-1

Note: INFLAMMATION TGLs = 2-8,2-8-1

Note: METAPL TGLs = 2-8,1,2-8

Note: PROLF CON TISS TGLs = 2-8,2-8-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 20

SEX: Female

DAY ON TEST: 298

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036211

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 20

SEX: Female

DAY ON TEST: 336

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

Uterus

OBSERVATIONS

Intestine Large

Colon

Carcinoma

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 4-21,5-21

Kidney

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

Liver

Hepatocyte, Kupffer Cell

Inflammation

Granulomatous, Multiple, Mild

Acinus

Pigmentation

Mild

Pancreas

Atrophy

Marked

Note: ATROPHY TGLs = 3-7

Spleen

Capsule

Depletion Lymphoid

Minimal

Capsule

Hypertrophy

Mild

Note: HYPERTROPHY TGLs = 2-6

Note: INFLAMMATION TGLs = 2-6

Inflammation

Chronic, Mild

Urinary Bladder

Transit Epithe

Carcinoma

Leiomyosarcoma

Squamous, Marked

Metaplasia

Squamous Cell Papilloma

Note: METAPL TGLs = 1-8-1,1-8-2

Note: CARCINOMA TGLs = 1-8,1-8-1

Note: PAPILOMA SQUA TGLs = 1-8-1,1-8-2

Note: LEIOMYOSAR TGLs = 1-8-1,1-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 298

TRT#: 20

SEX: Female

DAY ON TEST: 281

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Uterus

OBSERVATIONS

Intestine Large

Colon, Epithelium

Hyperplasia

Moderate

Note: HYPERPLASIA TGLs = 6-21

Kidney

Renal Tubule

Hydronephrosis

Mild

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Mild

Lymph Node

Mediastinal

Inflammation

Granulomatous, Multiple, Minimal

Note: HYPERPLASIA TGLs = 7-3

Spleen

Capsule

Pigmentation

Mild

Capsule

Depletion Lymphoid

Moderate

Note: HYPERTROPHY TGLs = 4-6

Note: INFLAMMATION TGLs = 4-6

Ureter

Transit Epithe

Inflammation

Chronic, Moderate

Note: DILATATION TGLs = 2-46

Urinary Bladder

Wall

Dilatation

Mild

Carcinoma

Squamous, Marked

Metaplasia

Marked

Proliferation Connective Tissue

Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 299

TRT#: 20

SEX: Female

DAY ON TEST: 309

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum	Intestine Large - Rectum	Ureter	Uterus
OBSERVATIONS			
Intestine Large	Colon, Epithelium	Hyperplasia	Mild
	Colon	Intussusception	
	Colon	Necrosis	Mild
	Colon	Polyp Adenomatous	
Note: NECROSIS TGLs = 4-22			
Note: INTUSSUSCEPTN TGLs = 4-22			
Note: POLYP ADENOMAT TGLs = 5-23			
Kidney	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Pigmentation	Mild
Liver	Hepatocyte	Hepatodiaphragmatic Nodule	Mild
		Hypertrophy	Minimal
		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Mild
Note: HDN TGLs = 3-21			
Spleen		Congestion	Mild
		Depletion Lymphoid	Moderate
	Capsule	Hypertrophy	Moderate
	Capsule	Inflammation	Chronic, Moderate
		Pigmentation	Mild
Note: INFLAMMATION TGLs = 2-6			
Note: HYPERTROPHY TGLs = 2-6			
Urinary Bladder	Transit Epithe	Carcinoma	
		Fibrosarcoma	
		Hemorrhage	Marked
		Metaplasia	Squamous, Marked
Note: CARCINOMA TGLs = 1-8-1			
Note: METAPL TGLs = 1-8-1			
Note: FIBROSARC TGLs = 1-8-1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 299

TRT#: 20

SEX: Female

DAY ON TEST: 309

DOSE: 1.80% 15 SSAC

DISP: Moribund Sacrifice

HISTO: A86036214

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMORRHAGE TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 26

SEX: Female

DAY ON TEST: 359

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Kidney	Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Lymph Node	Iliac	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 6-22		
Spleen		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Mild
Ureter		Dilatation	Mild
Note: DILATATION	TGLs = 3-46		
Urinary Bladder	Transit Epithe	Carcinoma	
		Hemorrhage	Marked
		Metaplasia	Squamous, Moderate
		Necrosis	Moderate
Note: CARCINOMA	TGLs = 1-8,1-8-1		
Note: METAPL	TGLs = 1-8,1-8-1		
	[Carcinoma TGLS = 1-8,1-8-1]		
	[Metaplasia TGLS = 1-8,1-8-1]		
Uterus		Dilatation	Mild
Note: DILATATION	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 26

SEX: Female

DAY ON TEST: 421

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Liver

Stomach - Glandular

Ureter

Uterus

OBSERVATIONS

Heart

Mineralization

Multifocal, Mild

Note: MINERALIZATION TGLs = 2-5

Kidney

Transit Epithe

Hyperplasia

Mild

Renal Tubule

Mineralization

Moderate

Papilla

Necrosis

Marked

Renal Tubule

Pigmentation

Minimal

Spleen

Pigmentation

Moderate

Stomach

Epithelium, Forestomach

Hyperplasia

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Transit Epithe

Hyperplasia

Moderate

Wall

Infiltration Cellular

Lipocyte, Moderate

Note: HYPERPLASIA TGLs = 1-8

Note: CARCINOMA TGLs = 1-8

Note: INFILTRAT CELL TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 26

SEX: Female

DAY ON TEST: 311

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum
Uterus

Intestine Large - Rectum

Stomach - Glandular

Ureter

OBSERVATIONS

Brain
Ependymoma Malignant
Hydrocephalus

Moderate

Note: HYDROCEPHALUS TGLs = 4-1

Note: EPENDYMOMA MAL TGLs = 4-2-1,3-1-1,2-1-1

Intestine Large
Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 1-21

Kidney
Transit Epithe
Renal Tubule
Renal Tubule

Hyperplasia
Mineralization
Pigmentation

Minimal
Mild
Minimal

Liver
Hepatocyte, Kupffer Cell

Inflammation
Pigmentation

Granulomatous, Multiple, Minimal

Spleen
Capsule

Congestion
Hypertrophy
Pigmentation

Mild
Mild
Mild

Stomach
Forestomach
Epithelium, Forestomach

Edema
Hyperplasia

Moderate
Moderate

Note: EDEMA TGLs = 5-4

Urinary Bladder
Transit Epithe

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 26

SEX: Female

DAY ON TEST: 662

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Uterus

MISSING

Ureter

OBSERVATIONS

Intestine Large

Rectum

Parasite Metazoan

Mild

Colon

Polyp Adenomatous

[Parasite Metazoan TGLS = 4-24]

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Moderate

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Mild

Eosinophilic Focus

Multiple, Mild

Hepatocyte

Hypertrophy

Minimal

Inflammation

Granulomatous, Multiple, Minimal

Angiectasis

Moderate

Lymph Node

Mediastinal

[Angiectasis TGLS = 8-3-1]

Mammary Gland

Fibroadenoma

Multiple

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

Mesentery

Fat

Necrosis

Focal, Moderate

Note: NECROSIS TGLs = 3-23

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 5-1-1]

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Tissue NOS

Note: TGL 1-21 & 2-22 IS MAMMARY GLAND.

Urinary Bladder

Transit Epithe

Carcinoma

Transit Epithe

Hyperplasia

Moderate

Wall

Proliferation Connective Tissue

Mild

Note: HYPERPLASIA TGLs = 6-8-2

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 26

SEX: Female

DAY ON TEST: 662

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040159

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 6-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 26

SEX: Female

DAY ON TEST: 639

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Glandular

MISSING

Ureter

OBSERVATIONS

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-3-1]			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
[Hyperplasia TGLS = 7-4-2]			
Urinary Bladder	Transit Epithe	Carcinoma	
	Wall	Infiltration Cellular	Lipocyte, Mild
		Metaplasia	Squamous, Mild
	Wall	Proliferation Connective Tissue	Marked
Note: METAPL TGLs = 1-8-2			
Note: INFILTRAT CELL TGLs = 1-8-2			
Note: CARCINOMA TGLs = 1-8-2			
Note: PROLF CON TISS TGLs = 1-8-2			
Uterus	Cervix, Myometrium	Hypertrophy	Marked
Note: HYPERTROPHY TGLs = 4-7-1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 306

TRT#: 26

SEX: Female

DAY ON TEST: 476

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Heart		Inflammation	Chronic, Moderate
Note: INFLAMMATION	TGLs = 9-5-1		
Kidney	Pelvis	Hemorrhage	Marked
		Hydronephrosis	Marked
	Pelvis	Inflammation	Suppurative, Moderate
	Renal Tubule	Pigmentation	Minimal
[Inflammation TGLS = 7-5,6-21]			
Lymph Node	Mediastinal	Angiectasis	Moderate
[Angiectasis TGLS = 8-3-1]			
Spleen	Capsule	Hematopoietic Cell Proliferation	Moderate
		Hypertrophy	Minimal
		Pigmentation	Mild
Ureter		Dilatation	Mild
Note: DILATATION	TGLs = 1-46		
Urinary Bladder	Transit Epithe	Carcinoma	
		Leiomyosarcoma	
	Wall	Proliferation Connective Tissue	Marked
Note: PROLF CON TISS	TGLs = 2-8-2		
Note: CARCINOMA	TGLs = 2-8-2		
Note: LEIOMYOSAR	TGLs = 2-8-2		
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 4-7-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 26

SEX: Female

DAY ON TEST: 729

DOSE: 0.600%

DISP: Terminal Sacrifice

HISTO: A86040162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Glandular

Ureter

OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 6-22	Calvarium	Hyperostosis	Mild
Clitoral Gland Note: CYST TGLs = 1-7	Duct	Cyst	Moderate
Kidney	Renal Tubule	Nephropathy Pigmentation Basophilic Focus Hepatodiaphragmatic Nodule Inflammation	Chronic, Mild Minimal Multiple, Mild Moderate Granulomatous, Multiple, Mild
Liver Note: HDN TGLs = 4-21			
Lung [Hyperplasia TGLs = 5-2]	Alveolar Epith	Hyperplasia	Mild
Lymph Node [Angiectasis TGLs = 9-3-1]	Mediastinal	Angiectasis	Moderate
Pituitary Gland [Cyst TGLs = 7-1]	Pars Distalis	Cyst	Moderate
Spleen	Capsule	Hematopoietic Cell Proliferation Hypertrophy Pigmentation	Mild Minimal Mild
Stomach Note: PAPILOMA SQUA TGLs = 8-4-1	Forestomach	Squamous Cell Papilloma	
Urinary Bladder Note: CARCINOMA TGLs = 2-8-2	Transit Epithe Wall	Carcinoma Proliferation Connective Tissue	Mild
Uterus Note: HYPERTROPHY TGLs = 3-7-1	Cervix, Myometrium	Hypertrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 308

TRT#: 26

SEX: Female

DAY ON TEST: 668

DOSE: 0.600%

DISP: Natural Death

HISTO: A86040163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum
Intestine Small - Jejunum
Uterus

Intestine Large - Rectum
Lymph Node

Intestine Small - Duodenum
Stomach - Glandular

Intestine Small - Ileum
Ureter

OBSERVATIONS

Intestine Large
Note: POLYP ADENOMAT TGLs = 3-22,4-23

Colon

Polyp Adenomatous

Multiple

Kidney

Pelvis

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Pigmentation

Minimal

Basophilic Focus

Multiple, Mild

Liver

Lymph Node

Note: MEDIASTINAL IS NORMAL.

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Moderate

[Hyperplasia TGLS = 5-1]

Spleen

Depletion Lymphoid

Moderate

Stomach

Forestomach

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 8-25]

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Suppurative, Moderate

Metaplasia

Squamous, Marked

Wall

Proliferation Connective Tissue

Moderate

Note: PROLF CON TISS TGLs = 1-24,1-24-1

Note: METAPL TGLs = 1-24,1-24-1

Note: CARCINOMA TGLs = 1-24,1-24-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 309	TRT#: 26 DOSE: 0.600%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: A86040164
OBSERVATIONS			
Bone Note: HYPEROSTOSIS TGLs = 3-21	Calvarium	Hyperostosis	Mild
Kidney	Renal Tubule	Nephropathy Pigmentation	Chronic, Mild Minimal
Liver Note: INFLAMMATION TGLs = 6-22		Basophilic Focus Inflammation	Multiple, Mild Granulomatous, Multiple, Moderate
Lymph Node [Angiectasis TGLS = 7-3-1]	Mediastinal	Angiectasis	Moderate
Mammary Gland Note: CYST TGLs = 1-8	Duct	Cyst Fibroadenoma	Mild
Pituitary Gland [Adenoma TGLS = 4-1-1,5-1-1]	Pars Distalis	Adenoma	
Spleen		Congestion Hematopoietic Cell Proliferation	Mild Mild
Ureter		Dilatation	Mild
Urinary Bladder Note: CARCINOMA TGLs = 2-8-2	Transit Epithe	Carcinoma	
Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 310

TRT#: 26

SEX: Female

DAY ON TEST: 477

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum
Intestine Small - Jejunum

Intestine Large - Rectum
Lymph Node - Mesenteric

Intestine Small - Duodenum
Stomach - Glandular

Intestine Small - Ileum
Uterus

MISSING

Ureter

OBSERVATIONS

Intestine Large
Note: POLYP ADENOMAT TGLs = 6-21

Colon

Polyp Adenomatous

Kidney

Renal Tubule

Mineralization
Nephropathy

Minimal
Chronic, Minimal

Liver

Renal Tubule
Hepatocyte, Kupffer Cell

Pigmentation
Pigmentation

Minimal
Minimal

Lymph Node

Mediastinal
Mandibular

Angiectasis
Cyst

Mild
Mild

[Angiectasis TGLs = 7-3-1]

[Cyst TGLs = 8-8-1]

Spleen

Atrophy
Hematopoietic Cell Proliferation
Pigmentation

Moderate
Mild
Moderate

Stomach

Epithelium, Forestomach
Transit Epithe
Wall

Hyperplasia
Carcinoma
Proliferation Connective Tissue

Mild
Marked

Note: PROLF CON TISS TGLs = 1-8-2

Note: CARCINOMA TGLs = 1-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 311	TRT#: 26	SEX: Female	DAY ON TEST: 639
	DOSE: 0.600%	DISP: Moribund Sacrifice	HISTO: A86040166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Minimal
Lymph Node	Mediastinal	Angiectasis	Mild
	Pancreatic	Pigmentation	Mild
	[Angiectasis TGLS = 4-3-1]		
	[Pigmentation TGLS = 3-7-1]		
Spleen		Depletion Lymphoid	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
Note: CARCINOMA	TGLs = 1-8-2		
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 312

TRT#: 26

SEX: Female

DAY ON TEST: 452

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver Ureter

OBSERVATIONS

Clitoral Gland		Duct	Cyst	
Note: CYST	TGLs = 1-8			
Kidney		Pelvis	Mineralization	Minimal
		Renal Tubule	Mineralization	Minimal
		Renal Tubule	Pigmentation	Mild
		Renal Tubule	Regeneration	Moderate
Pituitary Gland		Pars Distalis	Hyperplasia	Focal, Moderate
Note: HYPERPLASIA	TGLs = 3-1			
Spleen		Capsule	Congestion	Mild
			Hypertrophy	Minimal
			Pigmentation	Mild
Urinary Bladder		Transit Epithe	Carcinoma	
		Transit Epithe	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 2-8			
Note: CARCINOMA	TGLs = 2-8			
Uterus			Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 313

TRT#: 26

SEX: Female

DAY ON TEST: 632

DOSE: 0.600%

DISP: Natural Death

HISTO: A86040167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node

Stomach - Forestomach

Stomach - Glandular

Ureter

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Mild

Lymph Node

Note: MEDIASTINAL NORMAL.

Mammary Gland

Duct

Cyst

Mild

Note: CYST TGLs = 1-8

Note: HYPERPLASIA TGLs = 2-21

Hyperplasia

Lobular, Moderate

Spleen

Depletion Lymphoid

Moderate

Tissue NOS

Note: TGL 2-21 IS MAMMARY GLAND

Urinary Bladder

Transit Epithe

Carcinoma

Squamous, Marked

Wall

Metaplasia

Proliferation Connective Tissue

Marked

Note: PROLF CON TISS TGLs = 3-22-1,3-22-2,3-22-3,3-22-4

Note: METAPL TGLs = 3-22

Note: CARCINOMA TGLs = 3-22

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 314

TRT#: 26

SEX: Female

DAY ON TEST: 729

DOSE: 0.600%

DISP: Terminal Sacrifice

HISTO: A86040168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node

Ureter

Uterus

OBSERVATIONS

Kidney

Pelvis

Mineralization

Minimal

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Mild

Inflammation

Granulomatous, Multiple, Mild

Lymph Node

Note: MEDIASTINAL NORMAL.

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Wall

Infiltration Cellular

Lipocyte, Marked

Wall

Proliferation Connective Tissue

Mild

Note: CARCINOMA TGLs = 1-8-2

Note: INFILTRAT CELL TGLs = 1-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 315

TRT#: 26

SEX: Female

DAY ON TEST: 424

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

Stomach - Glandular

Uterus

OBSERVATIONS

Kidney

Bilateral

Hydronephrosis

Marked

Transit Epithe

Hyperplasia

Minimal

Renal Tubule

Pigmentation

Minimal

[Hyperplasia TGLs = 3-5,4-5]

Liver

Hepatodiaphragmatic Nodule

Mild

Note: HDN TGLs = 5-21

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Moderate

Hyperplasia

Lymphoid, Mild

Capsule

Hypertrophy

Minimal

Pigmentation

Mild

Stomach

Forestomach

Squamous Cell Papilloma

Note: PAPILLOMA SQUA TGLs = 7-22

Ureter

Dilatation

Moderate

Note: DILATATION TGLs = 1-46

Urinary Bladder

Transit Epithe

Carcinoma

Moderate

Hemorrhage

Squamous, Moderate

Metaplasia

Necrosis

Moderate

Wall

Proliferation Connective Tissue

Marked

Note: CARCINOMA TGLs = 2-8,2-8-1

Note: NECROSIS TGLs = 2-8,2-8-1

Note: HEMORRHAGE TGLs = 2-8,2-8-1

Note: MIXED TUMOR

Note: PROLF CON TISS TGLs = 2-8,2-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 316

TRT#: 26

SEX: Female

DAY ON TEST: 421

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86036236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Clitoral Gland	Duct	Cyst	Mild
Note: CYST TGLs = 5-8			
Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Mild
		Inflammation	Granulomatous, Multiple, Mild
		Mixed Cell Focus	Mild
Note: MIXED CL FOCUS TGLs = 3-21			
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 2-3			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
Note: CARCINOMA TGLs = 1-8			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 26

SEX: Female

DAY ON TEST: 729

DOSE: 0.600%

DISP: Terminal Sacrifice

HISTO: A86040169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node - Mandibular

Ureter

Uterus

OBSERVATIONS

Clitoral Gland

Duct

Carcinoma

Cyst

Moderate

Note: CARCINOMA TGLs = 1-21

Kidney

Renal Tubule

Nephropathy

Chronic, Moderate

Pigmentation

Minimal

Liver

Hepatocyte

Basophilic Focus

Multiple, Mild

Eosinophilic Focus

Mild

Hypertrophy

Minimal

Inflammation

Granulomatous, Multiple, Minimal

Angiectasis

Moderate

Lymph Node

Mediastinal

Note: ANGIECTASIS TGLs = 5-3-1

Note: PANCREATIC L.N. WAS NORMAL.

Mammary Gland

Adenoma

Fibroadenoma

Multiple

Note: FIBROADENOMA TGLs = 2-22,3-23

Note: MAMMARY GLAND ADENOMA IS ON SLIDE 21

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 7-1-1]

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Hyperplasia

Lymphoid, Histiocytic, Moderate

Pigmentation

Mild

Thyroid Gland

Follicular Cel

Carcinoma

C Cell

Hyperplasia

Mild

[Carcinoma TGLS = 6-3]

Tissue NOS

Note: TGL 2-22 AND TGL 3-23 IS MAMMARY GLAND

Urinary Bladder

Transit Epithe

Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 26

SEX: Female

DAY ON TEST: 729

DOSE: 0.600%

DISP: Terminal Sacrifice

HISTO: A86040169

ORGAN AND ACCOUNTABLE SITE STATUS

Wall

Proliferation Connective Tissue

Moderate

Note: PROLF CON TISS TGLs = 4-8-2

Note: CARCINOMA TGLs = 4-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 26

SEX: Female

DAY ON TEST: 504

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Uterus

OBSERVATIONS

Bone

Calvarium

Hyperostosis

Mild

Note: HYPEROSTOSIS TGLs = 7-23

Clitoral Gland

Duct

Cyst

Mild

Note: CYST TGLs = 2-8

Kidney

Transit Epithe

Hyperplasia

Moderate

Inflammation

Suppurative, Marked

Papilla

Necrosis

Marked

Renal Tubule

Pigmentation

Minimal

Renal Tubule

Regeneration

Marked

Note: NECROSIS TGLs = 4-5

Note: INFLAMMATION TGLs = 4-5

Liver

Hepatodiaphragmatic Nodule

Moderate

Inflammation

Granulomatous, Multiple, Minimal

Note: HDN TGLs = 5-22

Lymph Node

Mediastinal

Pigmentation

Mild

Note: PIGMENT TGLs = 8-3-1

Mammary Gland

Duct

Cyst

Mild

Note: CYST TGLs = 1-8

Mesentery

Fat

Necrosis

Focal, Moderate

Note: NECROSIS TGLs = 3-21

Spleen

Atrophy

Moderate

Depletion Lymphoid

Minimal

Capsule

Hypertrophy

Mild

Pigmentation

Mild

Urinary Bladder

Necrosis

Marked

Transit Epithe

Papilloma

Sarcoma

Note: SARCOMA TGLs = 6-8-2

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 26

SEX: Female

DAY ON TEST: 504

DOSE: 0.600%

DISP: Moribund Sacrifice

HISTO: A86040170

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 319

TRT#: 26

SEX: Female

DAY ON TEST: 552

DOSE: 0.600%

DISP: Natural Death

HISTO: A86040171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Colon

Liver

Ureter

Uterus

OBSERVATIONS

Intestine Large

Rectum

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 2-21

Kidney

Renal Tubule

Nephropathy

Chronic, Minimal

Lymph Node

Mediastinal

Pigmentation

Minimal

[Pigmentation TGLS = 3-3-1]

Spleen

Depletion Lymphoid

Mild

Hematopoietic Cell Proliferation

Moderate

Capsule

Hypertrophy

Mild

Pigmentation

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 1-8-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 26

SEX: Female

DAY ON TEST: 601

DOSE: 0.600%

DISP: Natural Death

HISTO: A86040172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Glandular

OBSERVATIONS

Kidney		Hydronephrosis	Marked
		Nephropathy	Chronic, Moderate
	Renal Tubule	Pigmentation	Minimal
[Nephropathy TGLS = 1-5,2-21,6-5]			
Liver		Basophilic Focus	Multiple, Mild
Lymph Node	Mediastinal	Angiectasis	Mild
[Angiectasis TGLS = 7-3-1]			
Spleen	Capsule	Hypertrophy	Minimal
		Pigmentation	Moderate
Stomach	Forestomach	Squamous Cell Papilloma	
Ureter		Dilatation	Moderate
Note: DILATATION TGLs = 5-46			
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Moderate
	Wall	Proliferation Connective Tissue	Moderate
Note: CARCINOMA TGLs = 3-8-2			
Note: METAPL TGLs = 3-8-2			
Note: PROLF CON TISS TGLs = 3-8-2			
Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 27

SEX: Female

DAY ON TEST: 87

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

[Pigmentation TGLS = 1-5]

Spleen

Congestion

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Pigmentation

Moderate

[Congestion TGLS = 2-6]

Urinary Bladder

Transit Epithe

Hyperplasia

Minimal

Uterus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 322	TRT#: 27	SEX: Female	DAY ON TEST: 87
	DOSE: 0.600% 3 SSAC	DISP: Scheduled Sacrifice	HISTO: A84033244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 2-5]			
Liver	Hepatocyte	Necrosis	Multifocal, Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Moderate
[Congestion TGLS = 1-6]			
Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
Uterus		Atrophy	Moderate
Note: ATROPHY TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 27

SEX: Female

DAY ON TEST: 87

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Mild

Renal Tubule

Pigmentation

Mild

[Pigmentation TGLS = 2-5]

Spleen

Congestion

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Minimal

Pigmentation

Moderate

[Pigmentation TGLS = 1-6]

Urinary Bladder

Transit Epithe

Hyperplasia

Minimal

Uterus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 324

TRT#: 27

SEX: Female

DAY ON TEST: 88

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Ureter	Urinary Bladder
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OBSERVATIONS

Kidney	Corticomed Jct	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
Spleen		Congestion	Moderate
	Capsule	Hypertrophy	Minimal
		Pigmentation	Mild
Uterus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 325	TRT#: 27	SEX: Female	DAY ON TEST: 88
	DOSE: 0.600% 3 SSAC	DISP: Scheduled Sacrifice	HISTO: A84033247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Ureter
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OBSERVATIONS

Kidney [Pigmentation TGLS = 1-5]	Renal Tubule	Pigmentation	Mild
Spleen [Congestion TGLS = 2-6] [Pigmentation TGLS = 2-6]	Capsule Capsule	Congestion Hypertrophy Inflammation Pigmentation	Moderate Mild Chronic, Moderate Moderate
Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
Uterus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 326	TRT#: 27	SEX: Female	DAY ON TEST: 88
	DOSE: 0.600% 3 SSAC	DISP: Scheduled Sacrifice	HISTO: A84033248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Corticomed Jct	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 1-5]			
Liver	Hepatocyte	Necrosis	Multifocal, Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Moderate
[Congestion TGLS = 2-6]			
[Pigmentation TGLS = 2-6]			
Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
Uterus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 27

SEX: Female

DAY ON TEST: 88

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Mild

Renal Tubule

Pigmentation

Minimal

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Minimal

Capsule

Inflammation

Chronic, Mild

Pigmentation

Moderate

Urinary Bladder

Transit Epithe

Hyperplasia

Minimal

Uterus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 329	TRT#: 27	SEX: Female	DAY ON TEST: 87
	DOSE: 0.600% 3 SSAC	DISP: Scheduled Sacrifice	HISTO: A84033251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Ureter
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OBSERVATIONS

Kidney	Corticomed Jct	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 3-5]			
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Minimal
	Capsule	Inflammation	Chronic, Minimal
		Pigmentation	Moderate
Note: PIGMENT TGLs = 2-6			
Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
Uterus		Atrophy	Mild
Note: ATROPHY TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 330

TRT#: 27

SEX: Female

DAY ON TEST: 88

DOSE: 0.600% 3 SSAC

DISP: Scheduled Sacrifice

HISTO: A84033252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

OBSERVATIONS

Kidney

Corticomed Jct

Mineralization

Mild

Renal Tubule

Pigmentation

Mild

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Mild

Pigmentation

Moderate

Urinary Bladder

Transit Epithe

Hyperplasia

Minimal

Uterus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 331

TRT#: 28

SEX: Female

DAY ON TEST: 191

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney [Pigmentation TGLS = 2-5]	Renal Tubule	Pigmentation	Mild
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen	Capsule	Congestion Hypertrophy Pigmentation	Moderate Mild Mild
[Congestion TGLS = 1-6]			
Urinary Bladder	Transit Epithe	Hyperplasia Inflammation	Moderate Subacute, Minimal
Uterus Note: ATROPHY TGLs = 3-7		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 332	TRT#: 28	SEX: Female	DAY ON TEST: 190
	DOSE: 0.600% 6 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney		Renal Tubule	Pigmentation	Mild
Note: PIGMENT	TGLs = 2-5			
Liver		Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Lung			Infiltration Cellular	Lymphocyte, Multifocal, Mild
			Inflammation	Chronic, Multifocal, Mild
[Infiltration Cellular TGLS = 4-2]				
Spleen			Congestion	Mild
		Capsule	Hypertrophy	Mild
			Pigmentation	Mild
Note: PIGMENT	TGLs = 3-6			
Urinary Bladder		Transit Epithe	Hyperplasia	Moderate
Uterus			Atrophy	Mild
Note: ATROPHY	TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 333	TRT#: 28	SEX: Female	DAY ON TEST: 191
	DOSE: 0.600% 6 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney [Pigmentation TGLs = 2-5]	Renal Tubule	Pigmentation	Mild
Liver Note: HDN TGLs = 3-21	Hepatocyte, Kupffer Cell	Hepatodiaphragmatic Nodule Pigmentation	Minimal
Spleen	Capsule	Congestion Hypertrophy Pigmentation	Mild Mild Moderate
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
Uterus Note: ATROPHY TGLs = 1-7		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 334	TRT#: 28 DOSE: 0.600% 6 SSAC	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: 190 HISTO: A85034004
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney [Pigmentation TGLS = 2-5]	Renal Tubule	Pigmentation	Mild
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen	Capsule	Congestion Hypertrophy Pigmentation	Mild Mild Moderate
[Congestion TGLS = 1-6]			
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
Uterus		Atrophy	Moderate

Note: ATROPHY TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 335

TRT#: 28

SEX: Female

DAY ON TEST: 191

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Pigmentation	Mild
Note: PIGMENT TGLs = 2-5			
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Lung		Infiltration Cellular	Lymphocyte, Multifocal, Mild
		Inflammation	Chronic, Multifocal, Mild
Note: INFLAMMATION TGLs = 3-2			
Note: INFILTRAT CELL TGLs = 3-2			
Spleen	Capsule	Congestion	Mild
		Hypertrophy	Mild
		Pigmentation	Moderate
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
	Wall	Proliferation Connective Tissue	Minimal
Uterus		Atrophy	Mild
Note: ATROPHY TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 28

SEX: Female

DAY ON TEST: 191

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Mild
	Capsule	Inflammation	Chronic, Mild
		Pigmentation	Moderate
Note: CONGESTION	TGLs = 2-6		
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
Uterus		Atrophy	Mild
	Cervix	Cyst	
Note: CYST	TGLs = 1-7		
Note: ATROPHY	TGLs = 3-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 337	TRT#: 28	SEX: Female	DAY ON TEST: 191
	DOSE: 0.600% 6 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 1-5]			
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Mild
		Pigmentation	Moderate
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Subacute, Mild
Uterus		Atrophy	Mild

Note: ATROPHY TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 338	TRT#: 28	SEX: Female	DAY ON TEST: 191
	DOSE: 0.600% 6 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 3-5]			
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Ovary		Cyst	
Note: CYST	TGLs = 2-21		
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Mild
		Pigmentation	Moderate
Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Subacute, Mild
Uterus		Atrophy	Moderate
Note: ATROPHY	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 339	TRT#: 28 DOSE: 0.600% 6 SSAC	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: 191 HISTO: A85034009
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Ureter
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OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 2-5]			
Spleen	Capsule	Congestion	Moderate
		Hypertrophy	Mild
		Pigmentation	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Subacute, Mild
Uterus		Atrophy	Mild
Note: ATROPHY	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 28

SEX: Female

DAY ON TEST: 191

DOSE: 0.600% 6 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 3-21

Kidney

Renal Tubule

Pigmentation

Mild

[Pigmentation TGLS = 2-5]

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Spleen

Congestion

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Pigmentation

Moderate

Urinary Bladder

Transit Epithe

Hyperplasia

Mild

Inflammation

Subacute, Mild

Transit Epithe

Metaplasia

Squamous, Mild

Wall

Proliferation Connective Tissue

Mild

Uterus

Atrophy

Mild

Note: ATROPHY TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 341	TRT#: 29	SEX: Female	DAY ON TEST: 275
	DOSE: 0.600% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

MISSING

Urinary Bladder

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Inflammation	Granulomatous, Multiple, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Moderate
Uterus		Dilatation	Moderate

Note: DILATATION TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 342	TRT#: 29	SEX: Female	DAY ON TEST: 275
	DOSE: 0.600% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter	Uterus
--------	--------

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
	Capsule	Hypertrophy	Mild
		Pigmentation	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 343

TRT#: 29

SEX: Female

DAY ON TEST: 274

DOSE: 0.600% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Uterus

OBSERVATIONS

Kidney

Transit Epithe

Hyperplasia

Mild

Pelvis

Inflammation

Suppurative, Mild

Pelvis

Mineralization

Minimal

Renal Tubule

Mineralization

Mild

Nephropathy

Chronic, Moderate

Renal Tubule

Pigmentation

Minimal

Renal Tubule

Regeneration

Moderate

Liver

Inflammation

Granulomatous, Multiple, Minimal

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Mesentery

Fat

Necrosis

Focal, Moderate

Note: NECROSIS TGLs = 1-21

Spleen

Congestion

Moderate

Capsule

Hypertrophy

Minimal

Pigmentation

Mild

Urinary Bladder

Transit Epithe

Hyperplasia

Moderate

Wall

Proliferation Connective Tissue

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 344

TRT#: 29

SEX: Female

DAY ON TEST: 275

DOSE: 0.600% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Pigmentation

Mild

Liver

Hepatocyte, Kupffer Cell

Pigmentation

Minimal

Spleen

Congestion

Mild

Hypertrophy

Minimal

Pigmentation

Mild

Urinary Bladder

Transit Epithe

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 345	TRT#: 29	SEX: Female	DAY ON TEST: 275
	DOSE: 0.600% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Glandular

Ureter

Uterus

OBSERVATIONS

Kidney	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Minimal
		Inflammation	Granulomatous, Multiple, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Mild
		Pigmentation	Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Minimal
Urinary Bladder	Transit Epithe	Carcinoma	
	Transit Epithe	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 346	TRT#: 29	SEX: Female	DAY ON TEST: 275
	DOSE: 0.600% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter	Uterus
--------	--------

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Minimal
Spleen		Congestion	Minimal
	Capsule	Hypertrophy	Minimal
		Pigmentation	Moderate
Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 347	TRT#: 29	SEX: Female	DAY ON TEST: 274
	DOSE: 0.600% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter	Uterus
--------	--------

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Minimal
	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Moderate
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 29

SEX: Female

DAY ON TEST: 274

DOSE: 0.600% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Spleen

Congestion

Mild

Pigmentation

Mild

Urinary Bladder

Transit Epithe

Hyperplasia

Mild

Uterus

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 29

SEX: Female

DAY ON TEST: 274

DOSE: 0.600% 9 SSAC

DISP: Scheduled Sacrifice

HISTO: A85034714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Minimal

Spleen

Congestion

Mild

Capsule

Hypertrophy

Mild

Pigmentation

Mild

Urinary Bladder

Transit Epithe

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 350	TRT#: 29	SEX: Female	DAY ON TEST: 275
	DOSE: 0.600% 9 SSAC	DISP: Scheduled Sacrifice	HISTO: A85034715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Spleen		Congestion	Mild
	Capsule	Hypertrophy	Mild
		Pigmentation	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Mild
Uterus		Dilatation	Moderate

Note: DILATATION TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 351

TRT#: 30

SEX: Female

DAY ON TEST: 455

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

Uterus

OBSERVATIONS

Clitoral Gland

Duct

Cyst

Mild

Note: CYST TGLs = 1-8

Kidney

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Minimal

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Minimal

Pigmentation

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Wall

Proliferation Connective Tissue

Mild

Note: CARCINOMA TGLs = 2-21

[Carcinoma TGLS = 2-21]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352

TRT#: 30

SEX: Female

DAY ON TEST: 456

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Uterus

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Multiple, Minimal
		Inflammation	Granulomatous, Multiple, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Pigmentation	Mild
			[Hyperplasia TGLS = 3-3]
			[Pigmentation TGLS = 3-3]
Spleen		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Mild
Ureter		Dilatation	Mild
Note: DILATATION	TGLs = 1-46		
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Mild
		Necrosis	Moderate
	Wall	Proliferation Connective Tissue	Marked
Note: NECROSIS	TGLs = 2-8,2-8-1		
Note: PROLF CON TISS	TGLs = 2-8,2-8-1		
Note: METAPL	TGLs = 2-8,2-8-1		
Note: CARCINOMA	TGLs = 2-8,2-8-1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 30

SEX: Female

DAY ON TEST: 455

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Ureter

Uterus

MISSING

Liver

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

Rectum

Polyp Adenomatous

Note: POLYP ADENOMAT TGLs = 4-23

Note: INTEST. POLYP-MARKED FIBROUS STROMA

Note: POLYP ADENOMAT TGLs = 3-22

Kidney

Prox Con Tub

Degeneration

Hyaline, Moderate

Pelvis

Mineralization

Minimal

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Mediastinal

Angiectasis

Moderate

Lymph Node

Note: ANGIECTASIS TGLs = 5-24

Mesentery

Fat

Necrosis

Focal, Moderate

Note: NECROSIS TGLs = 1-21

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 6-1]

Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Capsule

Inflammation

Chronic, Mild

Pigmentation

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 354

TRT#: 30

SEX: Female

DAY ON TEST: 456

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Spleen

Congestion

Mild

Capsule

Hypertrophy

Mild

Pigmentation

Mild

Urinary Bladder

Transit Epithe

Hyperplasia

Moderate

Transit Epithe

Papilloma

Wall

Proliferation Connective Tissue

Mild

Note: PROLF CON TISS TGLs = 1-8

Note: HYPERPLASIA TGLs = 1-8

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 2-21

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 355

TRT#: 30

SEX: Female

DAY ON TEST: 455

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Mild
	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Mesentery	Fat	Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 2-21			
Spleen		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Minimal
		Pigmentation	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
		Metaplasia	Squamous, Mild
Note: CARCINOMA TGLs = 1-8-1			
Note: METAPL TGLs = 1-8-1			
Uterus		Dilatation	Mild
Note: DILATATION TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 356

TRT#: 30

SEX: Female

DAY ON TEST: 456

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

Uterus

OBSERVATIONS

Kidney

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Minimal

Mesentery

Fat

Inflammation

Chronic, Mild

Note: INFLAMMATION TGLs = 1-21

Spleen

Capsule

Hypertrophy

Minimal

Pigmentation

Moderate

Urinary Bladder

Transit Epithe

Carcinoma

Note: CARCINOMA TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

Animal Note: ANIMAL WAS MISSING A LIVER.

Animal Note: DUPLICATION OF LIVER TISSUE-PROSECTOR ERROR. NO OTHER

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 30

SEX: Female

DAY ON TEST: 456

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Intestine Large - Rectum

Ureter

Uterus

OBSERVATIONS

Intestine Large

Colon

Polyp Adenomatous

Multiple

Note: POLYP ADENOMAT TGLs = 3-21,4-21

Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Minimal

Liver

Basophilic Focus

Multiple, Minimal

Inflammation

Granulomatous, Multiple, Mild

Spleen

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Mild

Urinary Bladder

Transit Epithe

Carcinoma

Inflammation

Suppurative, Moderate

Note: CARCINOMA TGLs = 1-8-1

Note: INFLAMMATION TGLs = 1-8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014
Time Report Requested: 18:23:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 358	TRT#: 30	SEX: Female	DAY ON TEST: 455
	DOSE: 0.600% 15 SSAC	DISP: Scheduled Sacrifice	HISTO: A86036244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter	Uterus
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OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Inflammation	Granulomatous, Multiple, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
Urinary Bladder	Transit Epithe	Carcinoma	
	Wall	Proliferation Connective Tissue	Moderate

Note: CARCINOMA TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 359

TRT#: 30

SEX: Female

DAY ON TEST: 456

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Ureter

OBSERVATIONS

Kidney

Pelvis

Mineralization

Minimal

Renal Tubule

Mineralization

Minimal

Renal Tubule

Pigmentation

Minimal

Mesentery

Fat

Inflammation

Chronic, Moderate

Note: INFLAMMATION TGLs = 1-21

Spleen

Hematopoietic Cell Proliferation

Mild

Capsule

Hypertrophy

Minimal

Pigmentation

Moderate

Urinary Bladder

Transit Epithe

Carcinoma

Transit Epithe

Hyperplasia

Moderate

Wall

Proliferation Connective Tissue

Mild

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Note: HYPERPLASIA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05092-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 10/18/2014

Time Report Requested: 18:23:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 360

TRT#: 30

SEX: Female

DAY ON TEST: 455

DOSE: 0.600% 15 SSAC

DISP: Scheduled Sacrifice

HISTO: A86036246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ureter

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver	Hepatocyte, Kupffer Cell	Pigmentation	Minimal
Mesentery	Fat	Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 1-21			
Oviduct		Cyst	Moderate
Note: CYST TGLs = 2-22			
Note: CYST DESCRIBED AS OVARY WAS REALLY OVIDUCT.			
Spleen		Hematopoietic Cell Proliferation	Mild
	Capsule	Hypertrophy	Mild
Urinary Bladder	Transit Epithe	Carcinoma	
	Transit Epithe	Hyperplasia	Moderate
	Wall	Proliferation Connective Tissue	Mild
Uterus	Epithelium	Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE