

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

C Number: C61927
Lock Date: 06/22/1992
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 06/22/1995

Experiment Number: 05200-05

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Species/Strain: Rat/F 344/N

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CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 504

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye		Degeneration	Mild
Note: cataract moderate;retinal atrophy moderate [Degeneration TGLS = 3-11]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatocellular Adenoma TGLS = 8-12]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

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Species/Strain: Rat/F 344/N

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Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 504 HISTO: 23405
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial GI

Note: Enlarged preputial glands were due to dilated ducts filled with secretion.

* Spleen

[Leukemia Mononuclear TGLS = 5-13]

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 6-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 2	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 23406
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Nose	* Pancreas	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 8-5]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Duct	Inflammation	Chronic, Moderate
	[Inflammation TGLS = 1-11]		
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 7-13]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 2	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 23406
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 4-4]			
[Leukemia Mononuclear TGLS = 3-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell C Cell Follicular Cel	Adenoma Hyperplasia Hyperplasia	Mild Minimal
* Urin Bladder			
Note: "Calculus" was normal secretion from accessory sex glands.			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 3	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 692 HISTO: 23407
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex [Vacuolization Cytoplasmic TGLS = 6-11]		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney [Nephropathy TGLS = 7-5]		Nephropathy	Marked
* Liver [Necrosis TGLS = 5-4]		Degeneration Degeneration Necrosis	Fatty, Mild Cystic, Moderate Moderate
* Lung [Congestion TGLS = 2-3]		Congestion	Chronic, Moderate
Mesentery [Necrosis TGLS = 3-12]	Fat	Necrosis	Mild
* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 692
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 23407

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 720

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart	Atrium	Cardiomyopathy	Moderate
		Thrombosis	Marked
	[Thrombosis TGLS = 5-11]		
* Kidney		Nephropathy	Marked
	[Nephropathy TGLS = 3-5]		
* Liver		Basophilic Focus	
		Degeneration	Fatty, Minimal
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Minimal
	[Degeneration TGLS = 10-4]		
	[Degeneration TGLS = 8-4]		
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-8]		
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLS = 7-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-7]		

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 720
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 23408

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Pituitary Gland Pars Distalis Adenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 5	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 623 HISTO: 23409
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 5-15]			
[Mixed Cell Focus TGLS = 6-14]			
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-13]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 7-11+12]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 5	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 623 HISTO: 23409
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ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-16]			
[Leukemia Mononuclear TGLS = 3-4]			
* Stomach, Forestomach [Necrosis TGLS = 11-17]		Necrosis	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urin Bladder			

Note: "Calculus" was normal secretion from accessory sex glands.

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 664

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Parathyroid Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
		Necrosis	Marked
[Necrosis TGLS = 14-24]			
* Intestine Large, Colon		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
* Intestine Large, Rectum		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 15-5]			
* Larynx		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 6	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 664 HISTO: 23410
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ORGAN AND ACCOUNTABLE SITE STATUS

Renal		Leukemia Mononuclear Leukemia Mononuclear	
Note: TGL 2-12 was axillary lymph nodes.			
[Leukemia Mononuclear TGLS = 18-16]			
[Leukemia Mononuclear TGLS = 2-12]			
[Leukemia Mononuclear TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 16-14]			
[Leukemia Mononuclear TGLS = 17-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-18]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-6+17]			
* Mammary Gland		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 7-20]			
[Necrosis TGLS = 8,9-21+22]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 19-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 664
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 23410

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-19]

* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 611 HISTO: 23411
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Moderate
Note: There was a small thrombus on one heart valve.			
* Intestine Small, Duodenum		Necrosis	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Degeneration	Fatty, Moderate
[Degeneration TGLS = 3-4]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 5-8]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 6-11]			
* Stomach, Glandular		Necrosis	Mild
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 611
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 23411

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 23412
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Nose
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 8-13]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 9-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-4]			
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
[Alveolar/Bronchiolar Adenoma TGLS = 13-3]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 8	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 23412
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ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6+12]			
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-14]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-15]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-11]			
[Leukemia Mononuclear TGLS = 6-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 611

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Bilateral	Leukemia Mononuclear	
		Pheochromocytoma Benign	
		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 4-12]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Thrombosis	Mild
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 611 HISTO: 23413
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial GI			
Note: Enlarged preputial glands were due to dilated ducts filled with secretion.			
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 10

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum		Diverticulum	
[Diverticulum TGLS = 6-12]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Hyperkeratosis	Marked
[Hyperkeratosis TGLS = 1-13]			
* Spleen		Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 10	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 23414

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-11]		Leukemia Mononuclear
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 5-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 612

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
	[Cholangiocarcinoma TGLS = 8-11]		
	[Leukemia Mononuclear TGLS = 4-4+11]		
* Lung		Cholangiocarcinoma	Metastatic (Liver)
		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-12]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-7]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 612

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23415

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13]			
* Pancreas		Hyperplasia	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Preputial GI			
Note: Grossly described bilateral preputial "masses" were dilated ducts filled with secretion.			
* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 9-14]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 11-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 580

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|----------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--|-----------|----------------------|-------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-1] | | | |
| Harderian Gland | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-10] | | | |
| * Heart | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Degeneration | Fatty, Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| [Degeneration TGLS = 7-11] | | | |
| [Leukemia Mononuclear TGLS = 8-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-3] | | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-6+15] | | | |
| Mesentery | Fat | Necrosis | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 580
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 23416

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 5-14]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Skin	Prepuce	Inflammation	Acute, Mild
[Inflammation TGLS = 4-13]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
		Necrosis	Mild
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 569

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Nephropathy	Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Thrombosis	Minimal
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		
* Spleen		Leukemia Mononuclear	

Note: Leukemia is in accessory spleen also (tgl 5).

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 13	TRT#: 1	SEX: Male	DAY ON TEST: 569
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 23417

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4,5-11+12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urin Bladder			

Note: "Calculus" was normal secretion from accessory sex glands.

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Leukemia Mononuclear TGLS = 2-4]	
		[Mixed Cell Focus TGLS = 3-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 1-8]	
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-11+12]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 14	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO: 23418
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma Atrophy	Marked
[Adenoma TGLS = 5-7]			
[Atrophy TGLS = 6-7]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 592

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-11]			
* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen			
Note: Pale foci were normal lymphoid follicles (NCL).			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 590

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Marked
[Congestion TGLS = 2-3]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 1-11]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial GI			
Note: Enlarged preputial gland was due to dilated duct filled with secretion.			
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Inflammation	Acute, Mild
		Necrosis	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 16	TRT#: 1	SEX: Male	DAY ON TEST: 590
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 23420

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-7]			
* Thyroid Gland	Follicular Cel C Cell	Carcinoma Hyperplasia	Minimal
[Carcinoma TGLS = 7-2]			

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 512

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

Eye		Degeneration	Minimal
[Degeneration TGLS = 1-12]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Degeneration	Fatty, Mild
[Degeneration TGLS = 4-11]	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Chronic Active, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Mild
		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Suppurative, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-13]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23422

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-11]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5,6-12+7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Thrombosis	Mild
	[Thrombosis TGLS = 5-10]		
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		Regeneration	Mild
	[Leukemia Mononuclear TGLS = 3-4]		
	[Regeneration TGLS = 2-11]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Nose		Thrombosis	Marked
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 19	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 730 HISTO: 23423
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Skin		Inflammation	Granulomatous, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Stomach, Forestomach		Inflammation	Acute, Mild
* Stomach, Glandular		Necrosis	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 490

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Moderate
	[Thrombosis TGLS = 3-12]		
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
	Centrilobular	Mesothelioma Malignant	
	[Hepatodiaphragmatic Nodule TGLS = 8-13]	Necrosis	Minimal
	[Necrosis TGLS = 9-4+13]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Note: Grossly pale lungs were probably due to anemia secondary to the mesothelioma.		
	[Hyperplasia TGLS = 12-11]		
* Lymph Node, Mediastinal		Hemorrhage	Minimal
	[Hemorrhage TGLS = 11-2]		
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 5-15]		
* Nose		Thrombosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 20	TRT#: 1	SEX: Male	DAY ON TEST: 490
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 23424

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas [Mesothelioma Malignant TGLS = 7-7+17]		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	
Skeletal Muscle		Mesothelioma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 4-7]			
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH	- Mesentery	Mesothelioma Malignant
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Osteoma	
[Osteoma TGLS = 2-11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Inflammation	Granulomatous, Moderate
[Inflammation TGLS = 10-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial GI			
Note: Enlarged preputial gland was due to dilated duct filled with secretion.			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 21	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 660 HISTO: 23425
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 6-7] [Atrophy TGLS = 5-7]	Interstit Cell	Adenoma Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- UNCERTAIN
CONTRIBUTORY CAUSE OF DEATH	- Bone Osteoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 491

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 3-4]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Preputial GI			
	Note: Enlarged preputial gland was due to dilated duct filled with secretion.		
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 552

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Renal	Inflammation	Granulomatous, Mild
[Inflammation TGLS = 2-5]			
* Nose		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-11]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Larynx		Metaplasia	Squamous, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Mixed Cell Focus TGLS = 4-4]		Mixed Cell Focus	
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin		Cyst	Marked
Note: Cyst of apparent sebaceous origin impinged on nasopharyngeal duct.			
[Cyst TGLS = 6-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23428

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Renal	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 7-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Nose		Inflammation	Suppurative, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Moderate
Note: There was no microscopic finding to explain the slight enlargement described grossly.			
[Fibrosis TGLS = 6-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 25	TRT#: 1	SEX: Male	DAY ON TEST: 735
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 23429

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 3,4-4+11]			
* Mammary Gland		Galactocele	Moderate
		Hyperplasia	Atypical, Mild
		Hyperplasia	Mild
[Galactocele TGLS = 1-12]			
[Hyperplasia TGLS = 1-12]			
Mesentery			
Note: Mass described as mesenteric was actually in subcutaneous tissue (mammary gland).			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Necrosis	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 26	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 23430

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6,7-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|--------------------------|----------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Mammary Gland | * Parathyroid Gland |
| * Prostate | * Skin | * Trachea | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------------------------------|-------------------------|--------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | Bilateral | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 3-1] | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| | Atrium | Thrombosis | Mild |
| | [Leukemia Mononuclear TGLS = 11-4] | | |
| * Intestine Small, Duodenum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | Centrilobular | Necrosis | Mild |
| | | Regeneration | Moderate |
| | [Leukemia Mononuclear TGLS = 9-4] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 7-3] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 10-13] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23431

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-7]		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Thrombosis	Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland [Leukemia Mononuclear TGLS = 2-8]		Leukemia Mononuclear	
* Preputial Gland [Adenoma TGLS = 4-7+12]		Adenoma Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 6-11] [Leukemia Mononuclear TGLS = 5-11]		Fibrosis Leukemia Mononuclear	Mild
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular [Leukemia Mononuclear TGLS = 13-8]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 8-7]	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Urinary Bladder [Leukemia Mononuclear TGLS = 12-8]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Suppurative, Minimal
Oral Mucosa	Pharyngeal	Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 3-10]			
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 684

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
Note: "Adhesion" of right & median lobes may have been secondary to leukemia and diffuse fatty degeneration, or may have been a variation on normal lobe pattern.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Fibroma	
		Fibrosis	Mild
		Leukemia Mononuclear	
* Stomach, Forestomach		Inflammation	Acute, Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 3-13+14]			
* Bone Marrow		Histiocytic Sarcoma	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Mild
* Kidney		Histiocytic Sarcoma	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Histiocytic Sarcoma	
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Histiocytic Sarcoma TGLS = 2-4]			
* Lung		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 5-3+11]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 30	TRT#: 1	SEX: Male	DAY ON TEST: 735
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 23434

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle		Histiocytic Sarcoma	
* Skin		Inflammation	Granulomatous, Mild
		Keratoacanthoma	
	[Keratoacanthoma TGLS = 4-12]		
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 6-11]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Schwannoma Malignant	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23435

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 7-12]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
[Atrophy TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 664

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Skin	Sebaceous GI	Adenoma	
	Subcut Tiss	Fibroma	
	[Adenoma TGLS = 2-11]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 664
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 23436

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 4-12+13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland
--------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
Note: Grossly pale liver was probably due to anemia secondary to chronic nephropathy.			
[Degeneration TGLS = 4-4]			
* Lung		Inflammation	Chronic Active, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-12]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Skin		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 9-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23437

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 6-4]		Fibrosis	Moderate
* Testes [Adenoma TGLS = 7,8-11]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland [Adenoma TGLS = 10-2]	C Cell C Cell	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Skin Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 681

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 13-6]	
* Intestine Small, Ileum		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 14-6]	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
		[Nephropathy TGLS = 11-5]	
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 10-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 16-3]	
Lymph Node	Iliac	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 681

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23438

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-12]			
[Leukemia Mononuclear TGLS = 15-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-11]			
* Nose		Thrombosis	Mild
* Pancreas		Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 17-7]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 8-15]			
[Leukemia Mononuclear TGLS = 7,9-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 5,6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 242

DOSE: CONTROL

DISP: Natural Death

HISTO: 23439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- | | | | |
|---|---------------|----------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| Note: Kidney was dark due to postmortem changes. | | | |
| * Liver | | | |
| Note: Liver was dark due to postmortem changes (NCL). | | | |
| * Lung | | | |
| Note: Lungs were dark red due to postmortem pooling of blood (NCL). | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-8] | | | |
| * Urin Bladder | | | |
| Note: "Calculus" was normal secretion from accessory sex glands. | | | |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Degeneration TGLS = 5,6-4+12]			
* Lung		Hemorrhage	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 7-11+13]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:14
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 735
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 23440

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-4]	Necrosis	Moderate
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Lymph Node, Mandibular		Inflammation	Granulomatous, Minimal
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Pancreas		Atrophy	Marked
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:14

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23441

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Adenoma TGLS = 10-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Stom Gland			
Note: "Nodule" in glandular stomach was normal fold in mucosa (NCL).			
* Stomach, Forestomach		Necrosis	Mild
[Necrosis TGLS = 9-8+13]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 8-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 537

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 4-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Pancreas		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 537

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23442

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 5-8]

Pars Distalis

Adenoma

* Spleen

Leukemia Mononuclear

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 7-7]

Interstit Cell

Hyperplasia

Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
	[Nephropathy TGLS = 8-5]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-13]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23443

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-11]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]		Atrophy	Marked
[Atrophy TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
	[Nephropathy TGLS = 7-5]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-12]		
* Nose		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 40	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 708 HISTO: 23444
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-7]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-11]			
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 644

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone			
Note: Red foci described grossly were normal vascular channels through bone into marrow cavity.			
* Bone Marrow		Leukemia Mononuclear Myelofibrosis	Moderate
* Heart		Cardiomyopathy Leukemia Mononuclear	Mild
* Int Lg Cecum			
Note: Cecum was red grossly due to pooling of blood in vessels (no lesion).			
* Kidney		Nephropathy	Mild
* Liver		Degeneration Hyperplasia Leukemia Mononuclear	Cystic, Moderate Mild
	Bile Duct		
	[Leukemia Mononuclear TGLS = 5,6-15+4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,4-12+13]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-7]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 644

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23445

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-16]			
* Pancreas		Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Stom Forestom			
Note: Stomach was red due to pooled blood in vessels (no lesion).			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 8-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 626

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Hydrocephalus	Mild
[Hydrocephalus TGLS = 9-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
Lymph Node	Renal	Pigmentation	Minimal
Note: Mesenteric "nodules" were normal pancreatic lymph nodes.			
[Pigmentation TGLS = 7-12]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Marked
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Skin		Cyst	Moderate
[Cyst TGLS = 2-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Urin Bladder			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 42	TRT#: 1	SEX: Male	DAY ON TEST: 626
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 23446

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Bladder contained proteinaceous fluid and was normal microscopically (NCL).

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 411

DOSE: CONTROL

DISP: Natural Death

HISTO: 23447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-1] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| [Hepatodiaphragmatic Nodule TGLS = 1-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Pancreas | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| [Adenoma TGLS = 2-8] | | | |
| * Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 411

DOSE: CONTROL

DISP: Natural Death

HISTO: 23447

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Larynx | * Nose |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------------------|---------------------------------------|----------------------|----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Marked |
| | Atrium | Leukemia Mononuclear | |
| | | Thrombosis | Moderate |
| | [Cardiomyopathy TGLS = 9-4] | | |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Infarct | Mild |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| | [Nephropathy TGLS = 5-5] | | |
| * Liver | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 4-4] | | |
| * Lung | | Inflammation | Chronic Active, Mild |
| | | Leukemia Mononuclear | |
| | [Inflammation TGLS = 12-12] | | |
| | [Leukemia Mononuclear TGLS = 11-11] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23448

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Iliac	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
[Leukemia Mononuclear TGLS = 7-16]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-18]			
* Pancreas			
Note: Grossly visible dark nodule was normal accessory spleen (NCL).			
* Pituitary Gland		Leukemia Mononuclear	
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 8-17]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Stomach, Glandular		Inflammation	Acute, Minimal
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Cyst Epithelial Inclusion	
	Subcut Tiss	Fibrosarcoma	
		Hyperkeratosis	Mild
		[Fibrosarcoma TGLS = 1-12]	
		[Hyperkeratosis TGLS = 2-11]	
* Spleen		Fibrosis	Moderate
		[Fibrosis TGLS = 5-4]	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 45	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 23449

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3,4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 46

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Natural Death

DAY ON TEST: 720

HISTO: 23450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Minimal
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-3]		
* Lymph Node, Mediastinal		Hemorrhage	Moderate
	[Hemorrhage TGLS = 2-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Skin		Hyperkeratosis	Marked
	Note: There was no microscopic finding to account for the 2mm diameter dark "mass" described on the nose at necropsy.		
	[Hyperkeratosis TGLS = 6-11]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 720
	DOSE: CONTROL	DISP: Natural Death	HISTO: 23450

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4,5-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 528

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 5-11]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
Lymph Node	Renal	Pigmentation	Mild
[Pigmentation TGLS = 6-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 528

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23451

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-8]

* Preputial Gland

Adenoma

[Adenoma TGLS = 7,8-7+13]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-14]

* Testes

Interstit Cell

Hyperplasia

Minimal

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 670

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-11]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 48	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 670 HISTO: 23452
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland Note: Left preputial was dark due to dilated duct filled with secretion. [Adenoma TGLS = 1-15]		Adenoma	
* Spleen [Fibrosis TGLS = 7-13] [Leukemia Mononuclear TGLS = 4-14]		Fibrosis Leukemia Mononuclear	Mild
* Testes [Adenoma TGLS = 9-7]	Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 565

DOSE: CONTROL

DISP: Natural Death

HISTO: 23453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Parathyroid Gland
- * Seminal Vesicle
- * Urinary Bladder
- * Brain
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Preputial Gland
- * Stomach, Forestomach
- * Epididymis
- * Intestine Large, Rectum
- * Larynx
- * Prostate
- * Thyroid Gland
- * Esophagus
- * Intestine Small, Duodenum
- * Nose
- * Salivary Glands
- * Trachea

MISSING

- * Mammary Gland

OBSERVATIONS

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone Marrow
- * Heart
- * Islets, Pancreatic
- * Kidney
- * Liver
- [Leukemia Mononuclear TGLS = 6-4]
- * Lung
- Lymph Node
- * Lymph Node, Bronchial
- * Lymph Node, Mandibular
- [Leukemia Mononuclear TGLS = 1-7]
- * Lymph Node, Mediastinal
- * Lymph Node, Mesenteric
- [Leukemia Mononuclear TGLS = 9-6+14]
- Mesentery
- [Necrosis TGLS = 7-11]
- Bile Duct
- Pancreatic
- Fat
- Leukemia Mononuclear
- Leukemia Mononuclear
- Necrosis
- Moderate
- Mild
- Mild
- Mild
- Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 565

DOSE: CONTROL

DISP: Natural Death

HISTO: 23453

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Adenoma	
		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin	Prepuce	Inflammation	Acute, Mild
[Inflammation TGLS = 3-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 8-13]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 644

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lymph Node			
Note: Sinuses of "enlarged" renal lymph nodes were slightly distended by fluid (normal).			
Penis			
Note: Prolapsed penis was normal microscopically (NCL).			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-13]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 2-11+13]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 644

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23454

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 201

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-13]			
* Nose		Foreign Body	
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLS = 5-12]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Hyperplasia	Squamous, Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,7-7]			
Tongue		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23705

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 607

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Degeneration	Fatty, Marked
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 2,3-13+4]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial GI			
Note: Enlarged preputial glands were due to dilated ducts filled with secretion.			
* Salivary Glands		Degeneration	Fatty, Mild
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 7-12]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Necrosis	Mild
* Testes		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 607

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23706

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 8-7]	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Papilloma	

Note: Papilloma might better be called a polyp.

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 515

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Intestine Large, Colon		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 515

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23707

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6+15]			
Mesentery		Infiltration Cellular	Marked
Note: "Infiltrat cell" is masses of bacteria and debris.			
[Infiltration Cellular TGLS = 9-14]			
* Pancreas		Atrophy	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-11+16]			
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-12]			
[Leukemia Mononuclear TGLS = 4,6-11+12]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 616

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Cyst	Mild
	Bile Duct	Hyperplasia	Minimal
[Cyst TGLS = 3-11]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gl			
Note: Pituitary could not be found in wet tissues.			
* Prostate		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-12]			
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
[Atrophy TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Cortex Atrophy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 616

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23708

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 205

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Leukemia Mononuclear	
* Bone Marrow		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Cardiomyopathy	Mild
		Adenoma	
		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 7-5+12]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Carcinoma	Metastatic (Thyroid Gland)
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
	[Carcinoma TGLS = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 205	TRT#: 3	SEX: Male	DAY ON TEST: 735
	DOSE: 94 PPM	DISP: Terminal Sacrifice	HISTO: 23709

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 9-7]			
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 8-14]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-11]			
[Leukemia Mononuclear TGLS = 4-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Artery	Inflammation	Mild
* Thyroid Gland	Bilateral, C Cell	Carcinoma	
* Urin Bladder			

Note: "Calculus" was normal secretion from accessory sex glands.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 206

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 636

HISTO: 23710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-7]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
* Liver		Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 5-11]			
Peritoneum	Tunica Vaginal	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Acute, Mild
		Necrosis	Moderate
[Necrosis TGLS = 6-13]			
* Testes		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 636

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23710

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 439

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Necrosis	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
Note: Pallor of lungs was probably due to anemia secondary to mesothelioma.			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3,6-11+12+13]			
* Pancreas		Atrophy	Moderate
		Mesothelioma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Mesothelioma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 5,7-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 439

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23711

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 665

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|---------------------------|--------------------------------------|-------------------------|----------|
| * Adrenal Cortex | | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| | [Leukemia Mononuclear TGLS = 10-4] | | |
| * Lung | Alveolar Epith | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | [Hyperplasia TGLS = 2,3-13+14] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 1-2] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 665

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23712

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-6+12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6,12-11+18]			
* Pancreas		Atrophy	Marked
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 5-17]			
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
[Hemorrhage TGLS = 11-16]			
[Leukemia Mononuclear TGLS = 8-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 490

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
Mesentery			
Note: Mass of mesenteric fat noted at trim was normal fat with pooling of blood in associated vasculature.			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Oral Mucosa	Pharyngeal	Squamous Cell Papilloma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial GI			
Note: Enlarged preputial gland was due to dilated duct filled with secretion.			
* Spleen		Fibrosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: Enlarged renal lymph node could not be found in wet tissue. Piece originally trimmed in was normal liver (NCL).

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 210

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 650

HISTO: 23714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Hepatocellular Adenoma TGLS = 6-12]	
		[Leukemia Mononuclear TGLS = 5-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 4-8]	
* Preputial Gland		Adenoma	
		Cyst	Moderate
		[Cyst TGLS = 2-14]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 210	TRT#: 3 DOSE: 94 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 650 HISTO: 23714
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Keratoacanthoma TGLS = 1-11]		Keratoacanthoma
* Spleen [Leukemia Mononuclear TGLS = 7-13]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 8-7]	Bilateral, Interstit Cell	Adenoma
* Thymus		Leukemia Mononuclear
* Thyroid Gland [Carcinoma TGLS = 3-2]	C Cell	Carcinoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23715

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 212

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Intestine Large, Rectum	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex Note: Malignant pheochromocytoma from left adrenal metastasized to right adrenal.		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 4-5]		Pheochromocytoma Malignant	
* Heart		Cardiomyopathy	Moderate
* Kidney [Nephropathy TGLS = 5-5]		Nephropathy	Moderate
* Liver [Degeneration TGLS = 3-4]	Bile Duct	Angiectasis Basophilic Focus Degeneration Hyperplasia Leukemia Mononuclear	Minimal Cystic, Mild Minimal
* Lung [Hyperplasia TGLS = 6-11]	Alveolar Epith	Hyperplasia	Marked
* Pancreas [Adenoma TGLS = 1-8]	Artery Pars Distalis	Atrophy Inflammation Adenoma	Marked Moderate
* Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 212	TRT#: 3	SEX: Male	DAY ON TEST: 735
	DOSE: 94 PPM	DISP: Terminal Sacrifice	HISTO: 23716

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear
[Fibrosis TGLS = 2-12]		
* Testes	Interstit Cell	Adenoma
* Thyroid Gland	C Cell	Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 213

TRT#: 3

SEX: Male

DAY ON TEST: 593

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3,4-12+3]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-7]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-6]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 213

TRT#: 3

SEX: Male

DAY ON TEST: 593

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23717

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Thrombosis	Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 5-8]		
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Inflammation	Granulomatous, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 214

TRT#: 3

SEX: Male

DAY ON TEST: 520

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Pituitary Gland
-----------------	-------------------

OBSERVATIONS

* Adrenal Cortex [Atrophy TGLS = 3-5]		Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node [Inflammation TGLS = 2-11]	Renal	Inflammation	Granulomatous, Moderate
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Moderate
* Pituitary Gl Note: Pituitary could not be found in wet tissues.			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Cortex Atrophy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 215

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|------------------------------|--------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| | [Nephropathy TGLS = 4-5] | | |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-4] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 1-8] | | |
| * Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 215

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23719

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-11+12]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5,6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 216

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 664

HISTO: 23720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Mammary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
	Bilateral	Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Marked
	Artery	Mineralization	Moderate
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3,4,8-5+13]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Leukemia Mononuclear	
[Hemorrhage TGLS = 10-6]			
Mesentery	Artery	Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 216

TRT#: 3

SEX: Male

DAY ON TEST: 664

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23720

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Mild
* Pancreas		Hyperplasia	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 7-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]		Leukemia Mononuclear	
* Skin		Hyperkeratosis	Mild
[Hyperkeratosis TGLS = 1-11]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 6-12]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Stomach, Glandular		Mineralization	Marked
* Testes		Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
	Artery	Inflammation	Moderate
[Atrophy TGLS = 9-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 217

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 606

HISTO: 23721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Necrosis	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3,4-5+11]			
* Liver		Degeneration	Fatty, Mild
[Degeneration TGLS = 2-4]	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 6-8+13]			
* Stomach, Glandular		Necrosis	Moderate
[Necrosis TGLS = 5-8+12]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Suppurative, Mild
[Inflammation TGLS = 7-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 606

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23721

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-12]			
Oral Mucosa	Gingival	Hyperplasia	Moderate
	Gingival	Inflammation	Chronic Active, Moderate
[Hyperplasia TGLS = 8-10]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23722

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-8]

* Skin

Inflammation

Chronic Active, Moderate

[Inflammation TGLS = 1-11]

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 6-13]

[Leukemia Mononuclear TGLS = 5-4+13]

* Testes

Bilateral, Interstit Cell

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 94 PPM

DISP: Natural Death

HISTO: 23723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Oligodendroglioma Benign	
[Oligodendroglioma Benign TGLS = 5,6-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung			
Note: Lungs were dark due to postmortem changes.			
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 7-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-7]			

PRIMARY CAUSE OF DEATH

- Brain Oligodendroglioma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 292

DOSE: 94 PPM

DISP: Natural Death

HISTO: 23724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|---|----------------|---------------------|
| * Bone | Osteosarcoma | |
| [Osteosarcoma TGLS = 1-11] | | |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Minimal |
| * Lung | Osteosarcoma | Metastatic (Bone) |
| [Osteosarcoma TGLS = 3,4-3] | | |
| * Lymph Node, Bronchial | Osteosarcoma | Metastatic (Bone) |
| * Prostate | Inflammation | Suppurative, Marked |
| * Spleen | | |
| Note: Pale focus on spleen was due to postmortem autolysis. | | |
| * Urinary Bladder | Hemorrhage | Moderate |
| [Hemorrhage TGLS = 2-8] | | |

PRIMARY CAUSE OF DEATH

- Bone Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 221

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal	* Thymus
---------------------------	----------

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
		Hyperplasia	Moderate
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Marked
		[Nephropathy TGLS = 3-5]	
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
* Lung		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 1-8]	
* Preputial Gland		Inflammation	Chronic Active, Marked
		[Inflammation TGLS = 4-7]	
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		[Fibrosis TGLS = 2-11]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 221	TRT#: 3	SEX: Male	DAY ON TEST: 735
	DOSE: 94 PPM	DISP: Terminal Sacrifice	HISTO: 23725

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 5-7]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	[Hyperplasia TGLS = 3-11]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-14]		
	[Leukemia Mononuclear TGLS = 6-15]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23726

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Thrombosis	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Moderate
* Skin			
Note: The crust seen on the preputial skin at necropsy could not be identified at trim; there was also no microscopic lesion in that tissue.			
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 8-13]			
[Leukemia Mononuclear TGLS = 7-12]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal
[Adenoma TGLS = 9-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 223

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------------------|--------------------------------------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Angiectasis | Marked |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | [Angiectasis TGLS = 4-12] | | |
| | [Leukemia Mononuclear TGLS = 5-4] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-11] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 8-3] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 7-2] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 223	TRT#: 3	SEX: Male	DAY ON TEST: 646
	DOSE: 94 PPM	DISP: Moribund Sacrifice	HISTO: 23727

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-6]			
* Nose		Thrombosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 677

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Inflammation	Acute, Marked
		Necrosis	Moderate
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Intestine Small, Jejunum		Inflammation	Acute, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Inflammation	Acute, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 224	TRT#: 3	SEX: Male	DAY ON TEST: 677
	DOSE: 94 PPM	DISP: Moribund Sacrifice	HISTO: 23728

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Spleen		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Leukemia Mononuclear	
[Adenoma TGLS = 1-7]		Adenoma	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Intestine Large, Cecum Inflammation
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 492

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | |
|-----------------|--------|
| * Mammary Gland | * Skin |
|-----------------|--------|

OBSERVATIONS

- | | | | |
|---------------------------|-------------------------------------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 4-4] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 3-3] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-2] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Pancreas | | Atrophy | Marked |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| * Preputial GI | | | |

Note: Enlarged preputial gland was due to dilated duct filled with secretion.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 492

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23729

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-11]		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia	Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 601

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3-11]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 524

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-11]			
* Pancreas		Atrophy	Mild
		Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 228

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 665

HISTO: 23732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Trachea		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Histiocytic Sarcoma	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Histiocytic Sarcoma	
* Intestine Small, Ileum		Histiocytic Sarcoma	
* Kidney		Histiocytic Sarcoma	
		Nephropathy	Moderate
[Histiocytic Sarcoma TGLS = 9-5]			
[Nephropathy TGLS = 8-5]			
* Liver		Histiocytic Sarcoma	
	Bile Duct	Hyperplasia	Mild
[Histiocytic Sarcoma TGLS = 5-4]			
* Lung		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-3]			
Lymph Node	Iliac	Histiocytic Sarcoma	
	Renal	Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 13-15]			
[Histiocytic Sarcoma TGLS = 12-14]			
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mediastinal		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 4-2]			
* Lymph Node, Mesenteric		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 228

TRT#: 3

SEX: Male

DAY ON TEST: 665

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23732

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma TGLS = 14-6+16]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 10-13]			
* Pancreas		Atrophy	Moderate
		Histiocytic Sarcoma	
* Pituitary Gland	Pars Distalis	Adenoma	
		Histiocytic Sarcoma	
[Adenoma TGLS = 3-8]			
* Seminal Vesicle		Histiocytic Sarcoma	
* Skin		Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 15-11]			
* Spleen		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 6,7-12]			
* Stomach, Forestomach		Histiocytic Sarcoma	
		Inflammation	Acute, Mild
[Inflammation TGLS = 16-8]			
* Stomach, Glandular		Histiocytic Sarcoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 11-7]			
* Thymus		Histiocytic Sarcoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Histiocytic Sarcoma	
PRIMARY CAUSE OF DEATH	- Liver	Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 229

TRT#: 3

SEX: Male

DAY ON TEST: 686

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 230

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 574

HISTO: 23734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Lung	Artery, Mediastinum	Inflammation	Mild
Lymph Node	Renal	Hemorrhage	Moderate
[Hemorrhage TGLS = 7-16]			
Mesentery	Artery	Inflammation	Marked
[Inflammation TGLS = 2-14]			
* Pancreas	Artery	Inflammation	Moderate
[Inflammation TGLS = 3-4+15]			
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 4-12]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 1-11]			
* Stom Gland			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 230	TRT#: 3	SEX: Male	DAY ON TEST: 574
	DOSE: 94 PPM	DISP: Moribund Sacrifice	HISTO: 23734

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Pale focus in glandular stomach was normal lymphoid follicle (NCL).

* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 8-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone		Hyperostosis	Moderate
	[Hyperostosis TGLS = 6,7-11+12]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-13]		
* Lung			
	Note: The dark focus described at necropsy was not seen at trim and there was no microscopic abnormality to account for it either.		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLS = 1-7]		
* Nose	Olfactory Epi	Foreign Body	
	Olfactory Epi	Inflammation	Suppurative, Mild
		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23735

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
[Atrophy TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 581

DOSE: 94 PPM

DISP: Natural Death

HISTO: 23736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain	Artery	Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Artery	Inflammation	Mild
		Nephropathy	Marked
	[Nephropathy TGLS = 6,8-5]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Note: The granular appearance at necropsy was due to autolysis.		
* Lung	Artery, Mediastinum	Inflammation	Mild
Mesentery	Artery	Inflammation	Moderate
	Fat	Necrosis	Moderate
	[Inflammation TGLS = 7-12]		
	[Necrosis TGLS = 5-11]		
* Pancreas	Artery	Inflammation	Mild
* Preputial GI			
	Note: Enlarged preputial gland was due to dilated duct filled with secretion.		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thymus	Artery	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 581

DOSE: 94 PPM

DISP: Natural Death

HISTO: 23736

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 588

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------|-------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Rectum | * Islets, Pancreatic | * Larynx | * Mammary Gland |
| * Parathyroid Gland | * Prostate | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Trachea | | |

OBSERVATIONS

- | | | | |
|-----------------------------|---------------------------------------|----------------------|-----------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Intestine Large, Colon | | Leukemia Mononuclear | |
| * Intestine Small, Duodenum | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Intestine Small, Jejunum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Degeneration | Cystic, Minimal |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 4-4] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-3] | | |
| Lymph Node | Iliac | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 10-14] | | |
| | [Leukemia Mononuclear TGLS = 9-13] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 588

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23737

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-7]

* Lymph Node, Mediastinal

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-6+12]

* Nose

Leukemia Mononuclear

* Pancreas

Atrophy

Mild

* Pituitary Gland

Pars Distalis

Leukemia Mononuclear

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 3-8]

* Preputial Gland

Leukemia Mononuclear

* Seminal Vesicle

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5,6-11]

* Stomach, Glandular

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 7-7]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 427

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
	[Carcinoma TGLS = 1-11]		

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 235

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 235	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 94 PPM	DISP: Terminal Sacrifice	HISTO: 23739

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-11]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 604

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Minimal
[Pheochromocytoma Benign TGLS = 4-5]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus Degeneration Hepatodiaphragmatic Nodule	Fatty, Moderate
[Degeneration TGLS = 1-4]			
[Hepatodiaphragmatic Nodule TGLS = 7-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Skin		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 8-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 604

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23740

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 237

TRT#: 3

SEX: Male

DAY ON TEST: 523

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 5-11]		
	[Mixed Cell Focus TGLS = 4-4]		
* Lung		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 2-3]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-8]		
* Preputial GI			
	Note: Enlarged preputial glands were due to dilated ducts filled with secretion.		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLS = 1-2]		
* Trachea	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 238

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Leukemia Mononuclear	
* Bone Marrow		Pheochromocytoma Benign	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Liver	Bile Duct	Nephropathy	Moderate
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-4]	
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-13]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 238	TRT#: 3	SEX: Male	DAY ON TEST: 734
	DOSE: 94 PPM	DISP: Terminal Sacrifice	HISTO: 23742

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]			
* Skin		Inflammation Leukemia Mononuclear	Chronic Active, Moderate
[Inflammation TGLS = 1-12]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 5-11]			
[Leukemia Mononuclear TGLS = 4-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 239

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus Eosinophilic Focus	
* Pancreas	Bile Duct	Hyperplasia Adenoma Atrophy	Minimal Mild
[Adenoma TGLS = 9-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin		Hyperkeratosis Inflammation Squamous Cell Carcinoma	Moderate Granulomatous, Moderate
[Hyperkeratosis TGLS = 6-12]			
[Inflammation TGLS = 5-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 239	TRT#: 3	SEX: Male	DAY ON TEST: 734
	DOSE: 94 PPM	DISP: Terminal Sacrifice	HISTO: 23743

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 10-15]			
* Spleen		Fibroma Fibrosis	Moderate
[Fibroma TGLS = 7-13]			
[Fibrosis TGLS = 8-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-14+7]			
* Thyroid Gland	Follicular Cel C Cell	Adenoma Hyperplasia	Moderate
[Adenoma TGLS = 11-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 240

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Congestion	Moderate
		Leukemia Mononuclear	
		Thrombosis	Mild
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6+12]			
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 240

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23744

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 586

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
	Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Hyperplasia	Minimal
	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Epididymis	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 9-7]		
* Heart	Cardiomyopathy	Mild
* Intestine Small, Ileum	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	
	Nephropathy	Mild
[Leukemia Mononuclear TGLS = 7-5]		
* Liver	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]		
* Lung	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]		
* Lymph Node, Bronchial	Leukemia Mononuclear	
* Lymph Node, Mandibular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-7]		
* Lymph Node, Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 241	TRT#: 3	SEX: Male	DAY ON TEST: 586
	DOSE: 94 PPM	DISP: Moribund Sacrifice	HISTO: 23745

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-6+14]			
* Pancreas		Atrophy Leukemia Mononuclear	Moderate
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-12+13]			
* Stomach, Forestomach		Leukemia Mononuclear Necrosis	Moderate
[Necrosis TGLS = 12-15]			
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell	Atrophy Hyperplasia Mesothelioma Malignant	Moderate Minimal
[Atrophy TGLS = 8-7]			
[Mesothelioma Malignant TGLS = 9-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 714

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Hyperplasia	Marked
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
Mesentery	Fat	Hemorrhage	Moderate
	Artery	Mineralization	Moderate
[Hemorrhage TGLS = 4-11]			
[Mineralization TGLS = 4-11]			
* Pancreas		Hyperplasia	Moderate
* Parathyroid Gland		Adenoma	
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 714

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23746

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 2-4]		Fibrosis	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes [Atrophy TGLS = 3-7]	Artery	Atrophy Inflammation	Marked Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 243

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 1-8]		
* Skin		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 243	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 94 PPM	DISP: Terminal Sacrifice	HISTO: 23747

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 6-11]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
		[Nephropathy TGLS = 5-5]	
* Liver		Basophilic Focus	
		Degeneration	Cystic, Marked
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Degeneration TGLS = 7-4]	
		[Leukemia Mononuclear TGLS = 4-4]	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-12]	
* Pancreas		Atrophy	Moderate
		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 244	TRT#: 3 DOSE: 94 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 23748
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 1-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 3-11] [Leukemia Mononuclear TGLS = 2-11]		Fibrosis Leukemia Mononuclear	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 245

TRT#: 3

SEX: Male

DAY ON TEST: 608

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
	Renal	Pigmentation	Mild
Lymph Node			
[Pigmentation TGLS = 5-11]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial GI			
Note: Enlarged preputial gland was due to dilated duct filled with secretion.			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 245

TRT#: 3
DOSE: 94 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 608
HISTO: 23749

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Leukemia Mononuclear TGLS = 2-4]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Mild
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-11]			
[Leukemia Mononuclear TGLS = 4-11]			
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 246	TRT#: 3	SEX: Male	DAY ON TEST: 734
	DOSE: 94 PPM	DISP: Terminal Sacrifice	HISTO: 23750

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6,7-7]	Artery	Inflammation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Eye		Degeneration	Moderate
Note: mkd cataract, mod retinal atrophy, posterior synechia, flocculent material in ant chamber.			
[Degeneration TGLS = 1-11]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 6-12]			
* Spleen		Fibrosis	Mild
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23751

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 248

TRT#: 3

DOSE: 94 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 397

HISTO: 23752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Note: Pale mottled liver was probably due to anemia secondary to Zymbal's carcinoma.			
* Lung		Congestion	Moderate
[Congestion TGLS = 3-3]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 2-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 692

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Cyst	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Cyst TGLS = 11-12]			
[Degeneration TGLS = 9,10-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 692

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23753

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-15]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-7]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-11]			
[Leukemia Mononuclear TGLS = 6-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 250

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Degeneration	Cystic, Moderate
		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Foreign Body	
		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 401

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 5-11]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-11]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 8-13]			
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 401	TRT#: 5	SEX: Male	DAY ON TEST: 621
	DOSE: 188 PPM	DISP: Moribund Sacrifice	HISTO: 23605

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-12]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 402

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
[Hyperplasia TGLS = 4-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3-4]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 403

TRT#: 5

SEX: Male

DAY ON TEST: 650

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+11]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 403	TRT#: 5	SEX: Male	DAY ON TEST: 650
	DOSE: 188 PPM	DISP: Moribund Sacrifice	HISTO: 23607

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 5-12]		
	[Leukemia Mononuclear TGLS = 4-13]		
* Stomach, Forestomach		Necrosis	Moderate
	[Necrosis TGLS = 8-14]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 404

TRT#: 5

SEX: Male

DAY ON TEST: 629

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Pheochromocytoma Benign	
	Atrium	Cardiomyopathy	Marked
		Thrombosis	Moderate
	[Cardiomyopathy TGLS = 3-11]		
	[Thrombosis TGLS = 2-11]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 8-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-6+13]		
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 404	TRT#: 5 DOSE: 188 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 629 HISTO: 23608
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Basophilic Focus	Mild
* Spleen		Hyperplasia	Moderate
		Fibrosis	
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-12]			
[Leukemia Mononuclear TGLS = 5-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 405 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 560
DOSE: 188 PPM **DISP:** Moribund Sacrifice **HISTO:** 23609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 1-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-13]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 4-11]			
* Prostate		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 405

TRT#: 5

SEX: Male

DAY ON TEST: 560

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23609

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 406

TRT#: 5

SEX: Male

DAY ON TEST: 561

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Nephropathy Hyperplasia Leukemia Mononuclear	Mild Moderate
		[Leukemia Mononuclear TGLS = 5-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-3]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-13]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-2]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
		[Galactocele TGLS = 11-7]	
Mesentery	Fat	Leukemia Mononuclear Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 406	TRT#: 5 DOSE: 188 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 561 HISTO: 23610
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ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 2-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 7,10-16+14]			
[Leukemia Mononuclear TGLS = 6,9-12+15]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 407

TRT#: 5

SEX: Male

DAY ON TEST: 590

DOSE: 188 PPM

DISP: Natural Death

HISTO: 23611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Mild
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1]			
* Heart		Cardiomyopathy Leukemia Mononuclear	Moderate
	Atrium	Thrombosis	Minimal
Note: Thrombus was on a-v valve.			
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
		Necrosis	Moderate
		Thrombosis	Marked
Note: Necrosis was an infarct.			
[Leukemia Mononuclear TGLS = 6-4]			
[Necrosis TGLS = 7-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 407	TRT#: 5	SEX: Male	DAY ON TEST: 590
	DOSE: 188 PPM	DISP: Natural Death	HISTO: 23611

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung [Leukemia Mononuclear TGLS = 2-3]		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-7]		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Thrombosis	Mild
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland [Leukemia Mononuclear TGLS = 4-8]		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
		[Fibrosis TGLS = 5-13]	
		[Leukemia Mononuclear TGLS = 9-12]	
* Testes [Adenoma TGLS = 8-14]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 408

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 499

HISTO: 23612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|-------------------------------------|-----------|-------------------------|-----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Fatty, Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Inflammation | Suppurative, Moderate |
| | | Leukemia Mononuclear | |
| [Degeneration TGLS = 7-13] | | | |
| [Inflammation TGLS = 4-11] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-2] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-6] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 408	TRT#: 5 DOSE: 188 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 499 HISTO: 23612
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Preputial GI			
Note: Grossly enlarged preputial gland was due to dilated duct filled with secretion.			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 409

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------------|--------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | | |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| | Fat | | |
| | | | |
| | | Atrophy | Mild |
| | | Hyperplasia | Moderate |
| | Pars Distalis | Inflammation | Chronic Active, Moderate |
| | | Fibrosis | Mild |
| | | Leukemia Mononuclear | |

[Leukemia Mononuclear TGLS = 6-4]

[Necrosis TGLS = 3-12]

[Fibrosis TGLS = 5-4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 409	TRT#: 5	SEX: Male	DAY ON TEST: 734
	DOSE: 188 PPM	DISP: Terminal Sacrifice	HISTO: 23613

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-4]			
* Testes	Interstit Cell	Adenoma Atrophy	Moderate
[Adenoma TGLS = 1-11]			
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 720

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Mammary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Degeneration TGLS = 11-4]			
* Lung		Leukemia Mononuclear	
Note: Depressed foci seen grossly were partly due to leukemia and partly artifactual.			
[Leukemia Mononuclear TGLS = 10-4+11]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 410	TRT#: 5 DOSE: 188 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 720 HISTO: 23614
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Foreign Body	
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-7]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7,8-7]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 1-2]			

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 411

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mandibular
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 11-15]			
* Kidney		Leukemia Mononuclear Nephropathy	Marked
[Nephropathy TGLS = 8-5]			
* Liver	Bile Duct	Basophilic Focus Hyperplasia Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 6,7-12+4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Nose		Leukemia Mononuclear	
* Pancreas		Atrophy Leukemia Mononuclear	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 411

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23615

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma	
Skeletal Muscle [Leukemia Mononuclear TGLS = 2-13]		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 5-11]		Fibrosis Leukemia Mononuclear	Mild
* Stom Forestom Note: Gross observation actually involved only glandular stomach.			
* Stomach, Glandular [Leukemia Mononuclear TGLS = 9,10-14]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 412

TRT#: 5

SEX: Male

DAY ON TEST: 643

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 6-14]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLS = 4-5]		
* Liver		Cyst	Mild
	[Cyst TGLS = 7-12]		
	[Mixed Cell Focus TGLS = 5-13]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLS = 9-7]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 412	TRT#: 5	SEX: Male	DAY ON TEST: 643
	DOSE: 188 PPM	DISP: Moribund Sacrifice	HISTO: 23616

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 8-9]			
PRIMARY CAUSE OF DEATH	- Kidney	Nephropathy	
CONTRIBUTORY CAUSE OF DEATH	- Tooth	Inflammation	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 413

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose		Inflammation	Chronic Active, Mild
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 1-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 414

TRT#: 5

SEX: Male

DAY ON TEST: 395

DOSE: 188 PPM

DISP: Natural Death

HISTO: 23618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: Liver was pale due to postmortem changes.			
* Lung			
Note: Pale focus described grossly was post mortem artifact.			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Subcut Tiss	Osteosarcoma	
[Osteosarcoma TGLS = 4-11]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 415

TRT#: 5

SEX: Male

DAY ON TEST: 638

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------------------|-------------------------------------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 6-4] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 1-3] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 7-3] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 8-6] | | |
| * Pancreas | | Atrophy | Moderate |
| | | Leukemia Mononuclear | |
| * Pituitary Gland | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 415	TRT#: 5	SEX: Male	DAY ON TEST: 638
	DOSE: 188 PPM	DISP: Moribund Sacrifice	HISTO: 23619

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-8]			
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-11]			
[Leukemia Mononuclear TGLS = 5-11+12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 416

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 692

HISTO: 23620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 7-3]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-4]			
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 416

TRT#: 5

SEX: Male

DAY ON TEST: 692

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23620

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2,3-11]		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 6-2]			
Tooth		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 417

TRT#: 5

SEX: Male

DAY ON TEST: 471

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis	Dilatation	Mild
		Nephropathy	Mild
[Dilatation TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Lym Node Media			
Note: Enlarged mediastinal lymph node was actually thymus and was normal on microscopic examination.			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Developmental Malformation	Mild
[Developmental Malformation TGLS = 1-9]			

PRIMARY CAUSE OF DEATH - Tooth Developmental Malformation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 5

SEX: Male

DAY ON TEST: 678

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-3]		
* Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Sarcoma	
	[Fibroma TGLS = 1-11]		
	[Sarcoma TGLS = 4-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 5

SEX: Male

DAY ON TEST: 678

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23622

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 419

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 624

HISTO: 23623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
	[Leukemia Mononuclear TGLS = 12-15]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Leukemia Mononuclear TGLS = 8,9-4]		
	[Mixed Cell Focus TGLS = 7-12]		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-11]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 419

TRT#: 5

SEX: Male

DAY ON TEST: 624

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23623

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Thrombosis	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8]		
* Preputial GI			
	Note: Grossly enlarged preputial glands were due to dilated ducts filled with secretion.		
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 5-13]		
	[Leukemia Mononuclear TGLS = 6-14]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 4-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 420

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 552

HISTO: 23624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- | | | | |
|---------------------------|-----------|--|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 5-2] | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 4-6+12] | |
| Mesentery | Fat | Necrosis | Mild |
| | | [Necrosis TGLS = 3-13] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 420

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 552

HISTO: 23624

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Preputial GI			
Note: Grossly enlarged preputial gland was due to dilated duct filled with secretion.			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 1-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Suppurative, Minimal
* Sem Ves			
Note: Enlarged seminal vesicles were dilated and filled with normal secretion.			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 421	TRT#: 5	SEX: Male	DAY ON TEST: 733
	DOSE: 188 PPM	DISP: Terminal Sacrifice	HISTO: 23625

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-7]		Atrophy	Mild
[Atrophy TGLS = 6-7]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 422

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 2-4]		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 1-7]			
* Pancreas		Basophilic Focus	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 5-11]		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 422

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23626

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 423

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Metaplasia	Osseous, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
Oral Mucosa	Pharyngeal	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 4-10]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-4+11]			
[Leukemia Mononuclear TGLS = 2-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 423	TRT#: 5	SEX: Male	DAY ON TEST: 734
	DOSE: 188 PPM	DISP: Terminal Sacrifice	HISTO: 23627

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Thymoma Benign	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 424

TRT#: 5

SEX: Male

DAY ON TEST: 707

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland
--------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
[Mineralization TGLS = 2-3+4]			
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 9-4]			
[Mixed Cell Focus TGLS = 8-4]			
* Lung		Mineralization	Marked
[Mineralization TGLS = 1-3]			
Mesentery	Artery	Mineralization	Marked
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Mild
		Hypertrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 424

TRT#: 5

SEX: Male

DAY ON TEST: 707

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23628

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Moderate
[Mineralization TGLS = 3-8]			
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 5-7]			
[Atrophy TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea		Mineralization	Moderate

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 425

TRT#: 5

SEX: Male

DAY ON TEST: 650

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 6-14]			
Lymph Node	Renal	Pigmentation	Mild
[Pigmentation TGLS = 5-15]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11+12+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 426

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 1-3]		
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Mild
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 426

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23630

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 427

TRT#: 5

SEX: Male

DAY ON TEST: 684

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 6-12]			
* Nose		Foreign Body	
	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urin Bladder			

Note: "Calculus" was normal secretion from accessory sex glands.

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 427

TRT#: 5

SEX: Male

DAY ON TEST: 684

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23631

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 428

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 4-5]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Leukemia Mononuclear TGLS = 2-4]		
	[Mixed Cell Focus TGLS = 3-12]		
* Lung		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 428

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23632

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 429

TRT#: 5

SEX: Male

DAY ON TEST: 580

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Lipoma	
		Nephropathy	Mild
[Lipoma TGLS = 7-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 3-13]			
* Nose		Thrombosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 429

TRT#: 5

SEX: Male

DAY ON TEST: 580

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23633

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Moderate
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-11]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 430

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Larynx	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 430	TRT#: 5 DOSE: 188 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 23634
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Preputial Gland [Adenoma TGLS = 1-7]		Adenoma	
* Skin [Inflammation TGLS = 1-7]		Inflammation	Chronic Active, Mild
* Spleen [Fibrosis TGLS = 8,9-12+11] [Leukemia Mononuclear TGLS = 7-11+12]		Fibrosis Leukemia Mononuclear	Marked
* Testes [Adenoma TGLS = 10-7]	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 431

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Epididymis | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Larynx | * Mammary Gland | * Nose | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Thymus | * Trachea | * Urinary Bladder | |

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- | | | | |
|---------------------------|--------------|-------------------------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | Bilateral | Pheochromocytoma Benign | |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Mineralization | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | Renal Tubule | Adenoma | |
| | | Leukemia Mononuclear | |
| | | Mineralization | Mild |
| | | Nephropathy | Marked |
| | | [Nephropathy TGLS = 7-5+12] | |
| * Liver | Bile Duct | Eosinophilic Focus | |
| | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 6-4] | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 2-7] | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 4-2] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 431	TRT#: 5	SEX: Male	DAY ON TEST: 735
	DOSE: 188 PPM	DISP: Terminal Sacrifice	HISTO: 23635

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 5-8]		
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8,9-11]		
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 10-7]		
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLS = 3-2]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 432

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 650

HISTO: 23636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 9-5]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Regeneration	Mild
	[Hepatocellular Carcinoma TGLS = 2-13]		
	[Leukemia Mononuclear TGLS = 1-4]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Alveolar/Bronchiolar Carcinoma TGLS = 7-11]		
	[Hyperplasia TGLS = 5,6-3+12]		
	[Leukemia Mononuclear TGLS = 5,6-3+12]		
Lymph Node	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 432	TRT#: 5	SEX: Male	DAY ON TEST: 650
	DOSE: 188 PPM	DISP: Moribund Sacrifice	HISTO: 23636

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-6]			
* Pancreas		Atrophy	Minimal
		Basophilic Focus	
		Leukemia Mononuclear	
Note: Cytoplas alter was basophilic focus.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 10,11-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433

TRT#: 5

SEX: Male

DAY ON TEST: 639

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23637

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Thrombosis	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial GI			
Note: Enlarged preputial gland was due to dilated duct filled with secretion.			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-12]			
[Leukemia Mononuclear TGLS = 4-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Moderate
[Adenoma TGLS = 6,8-7]			
[Atrophy TGLS = 7-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 434

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
* Lym Node Mesen			
Note: "Enlarged" mesenteric lymph nodes had sinuses slightly dilated with fluid (normal).			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2,4-11+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 435

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Infarct	Moderate
		Nephropathy	Marked
[Infarct TGLS = 3-11]			
[Nephropathy TGLS = 4-5]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Necrosis	Marked
[Necrosis TGLS = 6-12]			
* Stomach, Glandular		Inflammation	Acute, Mild
* Testes	Interstitial Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 435

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23639

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-2]

* Urin Bladder

Note: "Calculus" was normal secretion from accessory sex glands.

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 436

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-12]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pancreas		Atrophy	Moderate
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 437

TRT#: 5

SEX: Male

DAY ON TEST: 611

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Trachea			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
[Hyperplasia TGLS = 8-5]			
* Adrenal Medulla		Hyperplasia	Mild
Eye		Degeneration	Mild
Note: retinal atrophy marked;cataract moderate			
[Degeneration TGLS = 1-11]			
* Heart		Cardiomyopathy	Mild
* Int Sm Duoden			
Note: There was no mineralization or other microscopic finding to explain the grossly granular white appearance of the mucosa.			
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 10-4+14]			
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 6-13]			
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 2-2]			
* Pancreas		Hyperplasia	Moderate
[Hyperplasia TGLS = 5-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 437

TRT#: 5

SEX: Male

DAY ON TEST: 611

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23641

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial GI			
Note: Enlarged preputial gland was due to dilated duct filled with secretion.			
* Prostate		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 4-8]			
* Stomach, Forestomach		Necrosis	Mild
[Necrosis TGLS = 13-8]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 12-15]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 438

TRT#: 5

SEX: Male

DAY ON TEST: 735

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pancreas		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin		Inflammation	Granulomatous, Mild
[Inflammation TGLS = 3-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 1-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 439

TRT#: 5

SEX: Male

DAY ON TEST: 608

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
		Squamous Cell Carcinoma	Metastatic (Skin)
		[Hyperplasia TGLS = 7-11]	
		[Squamous Cell Carcinoma TGLS = 7,8-11+12]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 9-15]	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 2-8]	
* Skin		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 439

TRT#: 5

SEX: Male

DAY ON TEST: 608

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23643

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 1-13]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-4]

* Stom Gland

Note: "Nodule" in glandular stomach was normal folding of mucosa.

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 4,5-14]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Skin Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 440

TRT#: 5

SEX: Male

DAY ON TEST: 638

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Leukemia Mononuclear	
* Bone Marrow		Pheochromocytoma Benign	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	[Nephropathy TGLS = 8-5]	Nephropathy	Marked
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		Leukemia Mononuclear	
	Note: Lymph node with no site was axillary LN.		
	[Leukemia Mononuclear TGLS = 1-11]		
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 440

TRT#: 5

SEX: Male

DAY ON TEST: 638

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23644

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-14]			
[Leukemia Mononuclear TGLS = 4-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6,9-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 441

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 568

HISTO: 23645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Nephropathy	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10,11-4+12]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,3-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-7]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 13-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-6+15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 441

TRT#: 5

SEX: Male

DAY ON TEST: 568

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23645

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 5-13]	Fat	Necrosis	Mild
* Pancreas		Hyperplasia Leukemia Mononuclear	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Mild
* Skin [Inflammation TGLS = 1-14]	Prepuce	Inflammation	Acute, Mild
* Spleen [Leukemia Mononuclear TGLS = 8,9-11]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 6,7-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 442

TRT#: 5

SEX: Male

DAY ON TEST: 677

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
		[Nephropathy TGLS = 7,9-5]	
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Leukemia Mononuclear TGLS = 5-4]	
		[Mixed Cell Focus TGLS = 6-12]	
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-11]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-7]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:15
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 442	TRT#: 5	SEX: Male	DAY ON TEST: 677
	DOSE: 188 PPM	DISP: Moribund Sacrifice	HISTO: 23646

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 10-15]		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-13]			
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:15

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 443

TRT#: 5

SEX: Male

DAY ON TEST: 492

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3,4-7]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 444

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 4-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Marked
	[Fibrosis TGLS = 3,5-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1,2-12+7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 445

TRT#: 5

SEX: Male

DAY ON TEST: 509

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatocellular Carcinoma TGLS = 3-11]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Thrombosis	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 445	TRT#: 5	SEX: Male	DAY ON TEST: 509
	DOSE: 188 PPM	DISP: Moribund Sacrifice	HISTO: 23649

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 1-13]			
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 446

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Degeneration	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung			
Note: Lungs were red grossly due to pooling of blood in the pulmonary vasculature.			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 7-12]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-4]		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 446	TRT#: 5 DOSE: 188 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 728 HISTO: 23650
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Diverticulum TGLS = 10-11]		Diverticulum	
* Testes [Adenoma TGLS = 6-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland [Carcinoma TGLS = 1-2]	C Cell C Cell	Carcinoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Skin Subcut Tiss Sarcoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 447

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Intermed	Adenoma	
	[Adenoma TGLS = 2-8]		
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 448

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 678

HISTO: 23652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 8-5+13]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 5,6-11+12]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Note: Lungs were grossly pale due to anemia secondary to chronic nephropathy (NCL).		
Lymph Node	Renal	Pigmentation	Mild
	[Pigmentation TGLS = 9-14]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Inflammation	Granulomatous, Moderate
	[Hemorrhage TGLS = 7-6]		
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 448	TRT#: 5	SEX: Male	DAY ON TEST: 678
	DOSE: 188 PPM	DISP: Moribund Sacrifice	HISTO: 23652

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-15]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Marked
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 449

TRT#: 5

DOSE: 188 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 518

HISTO: 23653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 449	TRT#: 5 DOSE: 188 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 518 HISTO: 23653
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Skin [Inflammation TGLS = 6-14]		Inflammation	Granulomatous, Mild
* Spleen [Fibrosis TGLS = 3-12]		Fibrosis Leukemia Mononuclear	Moderate
* Testes	Interstit Cell	Hyperplasia Leukemia Mononuclear	Minimal
* Thymus			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 450

TRT#: 5

SEX: Male

DAY ON TEST: 665

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Larynx | * Parathyroid Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------------|--|----------------------------|---------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Inflammation | Chronic, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | [Hepatodiaphragmatic Nodule TGLS = 7-14] | | |
| | [Leukemia Mononuclear TGLS = 8-4] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 1,2-3+15] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 6-13] | | |
| | [Leukemia Mononuclear TGLS = 9-16] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 450

TRT#: 5

SEX: Male

DAY ON TEST: 665

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23654

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 10-7]		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 11-6]		Leukemia Mononuclear	
* Nose		Foreign Body Inflammation	Suppurative, Minimal
* Pancreas		Atrophy Basophilic Focus	Moderate
* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Preputial Gland		Adenoma	
* Spleen [Fibrosis TGLS = 5-12] [Leukemia Mononuclear TGLS = 4-11]		Fibrosis Leukemia Mononuclear	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 700

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Inflammation	Acute, Mild
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 602

TRT#: 7

SEX: Male

DAY ON TEST: 544

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mediastinal		Inflammation	Granulomatous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Skin	Subcut Tiss	Schwannoma Malignant	
	Note: Schwannoma was closely associated with salivary gland.		
	[Schwannoma Malignant TGLS = 1-11+12]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 3-7]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 603

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 590

HISTO: 23507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Vacuolization Cytoplasmic TGLS = 4-5]		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone		Hyperostosis	Mild
* Brain		Granular Cell Tumor Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney [Nephropathy TGLS = 3-11+12]		Nephropathy	Marked
* Liver [Degeneration TGLS = 2-4]		Basophilic Focus	
		Degeneration	Fatty, Minimal
* Lung		Metaplasia	Osseous, Minimal
Mesentery	Fat	Necrosis	Mild
* Pituitary Gland [Adenoma TGLS = 1-8]	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 664

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	Lymph Node	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Intestine Small, Duodenum	* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 4-14]			
Lymph Node			
Note: Sinuses of enlarged renal lymph nodes were distended by fluid and macrophages (NCL).			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Mild
[Fibrosis TGLS = 6-13]			
[Hematopoietic Cell Proliferation TGLS = 3-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 604	TRT#: 7	SEX: Male	DAY ON TEST: 664
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23508

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-7+15]		

PRIMARY CAUSE OF DEATH	- Preputial Gland Carcinoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 605

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 698

HISTO: 23509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Atrophy Carcinoma	Moderate
[Carcinoma TGLS = 8-11]			
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 8-11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Degeneration Degeneration Hyperplasia	Cystic, Moderate Fatty, Mild Minimal
[Degeneration TGLS = 3,4-4]	Bile Duct		
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 9-15]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1,6-14+13]			
* Nose		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 605	TRT#: 7	SEX: Male	DAY ON TEST: 698
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23509

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 7-12]

* Stomach, Forestomach

Necrosis

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Cortex Carcinoma;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 606

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
		Hyperplasia	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 607

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 638

HISTO: 23511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Epididymis		Granuloma Sperm	Marked
[Granuloma Sperm TGLS = 6-12]			
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 4-11]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Acute, Moderate
		Necrosis	Marked
Note: Foci of necrosis extend entire depth of wall with associated inflammatory response and epithelial hyperplasia.			
[Necrosis TGLS = 3-8+13]			
* Stomach, Glandular		Inflammation	Acute, Moderate
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 607	TRT#: 7	SEX: Male	DAY ON TEST: 638
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23511

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Stomach;Forestomach	Necrosis	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
	[Nephropathy TGLS = 3-5]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 2,6-11+12]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Renal	Pigmentation	Mild
	[Pigmentation TGLS = 4-13]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urin Bladder			

Note: "Calculus" was normal secretion from accessory sex glands.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23512

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 607

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Moderate
		[Leukemia Mononuclear TGLS = 10-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2,3-3+11]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 11-15]	
		[Leukemia Mononuclear TGLS = 12-16]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 609

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 607

HISTO: 23513

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 4-3]		Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-7]		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 13-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 17-6]		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
[Leukemia Mononuclear TGLS = 9,14,15-14+17+18]			
[Necrosis TGLS = 9,14,15-14+17+18]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 5-8]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7,8-12+13]			
* Stomach, Glandular		Necrosis	Minimal
[Necrosis TGLS = 16-19]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 675

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Inflammation	Acute, Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Skin		Keratoacanthoma	
		Squamous Cell Papilloma	
[Keratoacanthoma TGLS = 4-12]			
[Squamous Cell Papilloma TGLS = 2-11]			
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 675

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23514

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 1-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 611

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 681

HISTO: 23515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Leukemia Mononuclear	
* Bone Marrow		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
	Atrium	Cardiomyopathy	Moderate
		Thrombosis	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Leukemia Mononuclear TGLS = 3-4+12]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-3+11]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-16]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 611

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23515

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 6,13-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-17]			
* Prostate		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 10-18]			
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-14]			
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 9-7]			
* Thyroid Gland	C Cell	Adenoma	
* Urin Bladder			

Note: Bladder wall was artifactually thickened by formalin injection at necropsy.

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 612

TRT#: 7

SEX: Male

DAY ON TEST: 688

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Fatty, Minimal
		Degeneration	Cystic, Moderate
[Degeneration TGLS = 4-4]	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-11]			
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3-4]			
* Stomach, Forestomach		Inflammation	Acute, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 612	TRT#: 7	SEX: Male	DAY ON TEST: 688
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23516

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstitial Cell	Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 613

TRT#: 7

SEX: Male

DAY ON TEST: 692

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear Mixed Cell Focus	Cystic, Moderate Minimal
[Leukemia Mononuclear TGLS = 4-4]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-11]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Inflammation	Acute, Mild
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 613	TRT#: 7	SEX: Male	DAY ON TEST: 692
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23517

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urin Bladder			

Note: "Calculus" was normal secretion from accessory sex glands.

PRIMARY CAUSE OF DEATH	- Kidney	Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 614

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Intestine Large, Rectum	* Mammary Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Keratoacanthoma	Multiple
	[Keratoacanthoma TGLS = 1,2-12+13]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 614

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23518

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 615

TRT#: 7

SEX: Male

DAY ON TEST: 588

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3+11]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 615

TRT#: 7

SEX: Male

DAY ON TEST: 588

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23519

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Fibrosis TGLS = 5,6-12+13]

[Leukemia Mononuclear TGLS = 4-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 7-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 616

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 405

HISTO: 23520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|--------------------------------------|---------------|----------------------|------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | | |
| [Leukemia Mononuclear TGLS = 2-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Nose | | Leukemia Mononuclear | |
| * Pancreas | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Leukemia Mononuclear | |
| | | | |
| [Leukemia Mononuclear TGLS = 1-11] | | | |
| * Thymus | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 616

TRT#: 7

SEX: Male

DAY ON TEST: 405

DOSE: 375 PPM

DISP: Natural Death

HISTO: 23520

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Leukemia Mononuclear

* Urin Bladder

Note: "Mass" was secretion from seminal vesicle (ncl).

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 617

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Marked
	[Nephropathy TGLS = 4-5]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Prostate		Inflammation	Suppurative, Mild
* Skin		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 6-12]		
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLS = 5-13]		
* Stomach, Forestomach		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 617	TRT#: 7	SEX: Male	DAY ON TEST: 733
	DOSE: 375 PPM	DISP: Terminal Sacrifice	HISTO: 23521

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 618

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
			[Adenoma TGLS = 6-5]
			[Nephropathy TGLS = 5-5]
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
		Hemorrhage	Mild
* Lymph Node, Mediastinal			
			[Hemorrhage TGLS = 1-2]
Mesentery	Fat	Necrosis	Mild
			[Necrosis TGLS = 3-11]
* Pancreas		Atrophy	Moderate
		Basophilic Focus	
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
			[Adenoma TGLS = 2-8]
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 4-4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 618

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23522

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 619

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 660

HISTO: 23523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 4-12]			
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 3-3]			
* Pancreas		Atrophy	Mild
Peripheral Nerve		Radicular Neuropathy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-11]			
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 619

TRT#: 7
DOSE: 375 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 660
HISTO: 23523

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Peripheral Nerve Radicular Neuropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 620

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Larynx		Metaplasia	Squamous, Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-7]			
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
[Clear Cell Focus TGLS = 6-13]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-15]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 7-7]			
* Skin	Subcut Tiss	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-11+16]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 621	TRT#: 7	SEX: Male	DAY ON TEST: 734
	DOSE: 375 PPM	DISP: Terminal Sacrifice	HISTO: 23525

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 622

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Hydrocephalus	Mild
[Hydrocephalus TGLS = 6-1]			
* Epididymis		Granuloma Sperm	Mild
[Granuloma Sperm TGLS = 3-7]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Testes	Interstit Cell	Hyperplasia	Minimal
	Artery	Inflammation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

Note: Grossly small thyroid gland could not be found in wet tissues.

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Animal Note: "Enlarged iliac lymph node was actually bulbo-urethral gland (NCL).

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 623

TRT#: 7

SEX: Male

DAY ON TEST: 573

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Pheochromocytoma Benign	
		Leukemia Mononuclear	
		Cardiomyopathy	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
		Hyperplasia	Mild
* Liver	Bile Duct	Leukemia Mononuclear	
		Necrosis	Minimal
	Centrilobular		
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 623	TRT#: 7	SEX: Male	DAY ON TEST: 573
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23527

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-12]

* Thyroid Gland	C Cell	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 624

TRT#: 7

SEX: Male

DAY ON TEST: 444

DOSE: 375 PPM

DISP: Natural Death

HISTO: 23528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
Note: Liver was mottled red due to postmortem pooling of blood.			
* Lung			
Note: Lungs were mottled red due to postmortem pooling of blood (NCL).			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 625	TRT#: 7	SEX: Male	DAY ON TEST: 650
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Hydrocephalus	Mild
[Hydrocephalus TGLS = 5-1]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 6-12]			
* Mammary Gland		Hyperplasia	Atypical, Mild
[Hyperplasia TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-14]			
* Skin		Inflammation	Granulomatous, Moderate
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 626

TRT#: 7

SEX: Male

DAY ON TEST: 516

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
Note: Gross pallor of lungs was probably due to anemia secondary to chronic nephropathy.			
* Parathyroid Gland		Hyperplasia	Mild
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 2-11]			
* Stomach, Forestomach		Necrosis	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 627

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 3-5]		
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Degeneration TGLS = 7-4]		
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
* Pancreas		Atrophy	Mild
Peritoneum	Tunica Vaginal	Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 627	TRT#: 7	SEX: Male	DAY ON TEST: 709
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23531

ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear Mesothelioma Malignant	
[Leukemia Mononuclear TGLS = 4-12]			
[Mesothelioma Malignant TGLS = 5-12]			
* Testes	Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	
[Adenoma TGLS = 8,9-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy;Peritoneum Tunica Vaginal	Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 628

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 683

HISTO: 23532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	Skeletal Muscle	* Stomach, Glandular	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 628

TRT#: 7

SEX: Male

DAY ON TEST: 683

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23532

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Intermed Pars Distalis	Adenoma Hyperplasia Leukemia Mononuclear	Moderate
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Lipoma	
	[Lipoma TGLS = 1-11]		
* Spleen		Leukemia Mononuclear Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 8-4] [Necrosis TGLS = 9-12]		
* Stomach, Forestomach		Necrosis	Mild
	[Necrosis TGLS = 11-13]		
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell C Cell	Carcinoma Hyperplasia Leukemia Mononuclear	Minimal
	[Carcinoma TGLS = 4-2]		
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 629

TRT#: 7

SEX: Male

DAY ON TEST: 630

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Degeneration	Fatty, Moderate
[Degeneration TGLS = 4-4]			
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 1,2-11+13]			
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Stomach, Forestomach		Inflammation	Acute, Moderate
		Necrosis	Marked
[Necrosis TGLS = 6-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma; Stomach; Forestomach Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 630

TRT#: 7

SEX: Male

DAY ON TEST: 595

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Carcinoma	Metastatic (Zymbal'S Gland)
* Adrenal Medulla		Carcinoma	Metastatic (Zymbal'S Gland)
* Heart		Cardiomyopathy	Mild
* Kidney		Carcinoma	Metastatic (Zymbal'S Gland)
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Carcinoma	Metastatic (Zymbal'S Gland)
[Carcinoma TGLS = 1,2,5-3]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 3-11+12]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 656

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Mandibular | * Nose | * Parathyroid Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--|-----------|-------------------------|----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Atrophy | Moderate |
| | | Cataract | Minimal |
| [Cataract TGLS = 11-11] | | | |
| * Heart | Atrium | Cardiomyopathy | Minimal |
| | | Thrombosis | Mild |
| * Kidney | | Nephropathy | Moderate |
| [Nephropathy TGLS = 9-5] | | | |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Cystic, Marked |
| | | Hepatocellular Adenoma | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| [Degeneration TGLS = 12-16] | | | |
| [Hepatocellular Adenoma TGLS = 7-15] | | | |
| [Leukemia Mononuclear TGLS = 8-4] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 656

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23535

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lym Node Mand			
Note: Subcapsular sinus of "enlarged" mandibular lymph node was distended by fluid and contained a few macrophages (NCL).			
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 13-17]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-13]			
[Leukemia Mononuclear TGLS = 5-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 632

TRT#: 7

SEX: Male

DAY ON TEST: 634

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 12-13]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 10-5]			
* Liver		Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 14-15]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 2-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 632

TRT#: 7

SEX: Male

DAY ON TEST: 634

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23536

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Leukemia Mononuclear TGLS = 3-11]	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial [Leukemia Mononuclear TGLS = 1-3]		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 13-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric Mesentery [Hemorrhage TGLS = 11-12]	Fat	Leukemia Mononuclear Hemorrhage	Mild
* Pituitary Gland [Adenoma TGLS = 8-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 5,6,9-16+17+18] [Leukemia Mononuclear TGLS = 4,7-20+19]		Fibrosis Leukemia Mononuclear	Mild
* Testes		Atrophy	Moderate
* Thyroid Gland	Interstit Cell C Cell	Hyperplasia Hyperplasia	Minimal Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 633

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 698

HISTO: 23537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- | | | | |
|---------------------------|-----------|--------------------------------------|--------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Necrosis | Marked |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| | | [Nephropathy TGLS = 8-5] | |
| * Liver | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| | | Regeneration | Marked |
| | | [Regeneration TGLS = 9-4] | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Iliac | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 6-13] | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 633	TRT#: 7	SEX: Male	DAY ON TEST: 698
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23537

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-12]			
* Nose		Inflammation	Suppurative, Minimal
		Thrombosis	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 634

TRT#: 7

SEX: Male

DAY ON TEST: 700

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Degeneration TGLS = 9-4]			
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
Lymph Node	Renal	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 5-12]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial GI			
Note: Grossly noted preputial "mass" was dilated duct filled with secretion.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 634	TRT#: 7	SEX: Male	DAY ON TEST: 700
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23538

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Moderate
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 6-13]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 2-2]			

PRIMARY CAUSE OF DEATH	- Skin Basal Cell Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 635

TRT#: 7

SEX: Male

DAY ON TEST: 612

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Epididymis			
Note: Grossly noted "deformity" in left epididymis resulted from marked atrophy of left testis and was not remarkable microscopically.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 4-4]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Glandular		Necrosis	Mild
* Testes		Atrophy	Marked
[Atrophy TGLS = 2-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 635

TRT#: 7

SEX: Male

DAY ON TEST: 612

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23539

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 636

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-12]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 636

TRT#: 7

SEX: Male

DAY ON TEST: 735

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23540

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-11]

[Leukemia Mononuclear TGLS = 5-11]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 6-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 637

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Degeneration Degeneration Hepatocellular Adenoma Mixed Cell Focus	Cystic, Mild Fatty, Moderate
[Degeneration TGLS = 5-4]			
[Degeneration TGLS = 4-4]			
[Hepatocellular Adenoma TGLS = 6-11]			
* Pancreas		Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 8-4]			
* Stomach, Forestomach		Inflammation	Acute, Marked
		Necrosis	Marked
* Stomach, Glandular		Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 637

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23541

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 9-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 638

TRT#: 7
DOSE: 375 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 428
HISTO: 23542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Foreign Body	
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 428

HISTO: 23542

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 639

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 617

HISTO: 23543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Marked
	[Nephropathy TGLS = 3-5]		
* Liver		Leukemia Mononuclear	
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 5-11]	Congestion	Moderate
	[Congestion TGLS = 1-3]		
* Mammary Gland		Galactocele	Mild
	[Galactocele TGLS = 8-14]		
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Spleen		Fibrosis	Minimal
	[Fibrosis TGLS = 4-4]	Leukemia Mononuclear	
* Stomach, Glandular		Inflammation	Chronic, Mild
		Inflammation	Acute, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 639

TRT#: 7

SEX: Male

DAY ON TEST: 617

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23543

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 7-13]

[Inflammation TGLS = 6-12]

* Testes

Interstit Cell

Hyperplasia

Minimal

Artery

Inflammation

Mild

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 640

TRT#: 7

SEX: Male

DAY ON TEST: 719

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 9-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 8-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-11]			
[Leukemia Mononuclear TGLS = 10-15]			
[Leukemia Mononuclear TGLS = 2-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 7

SEX: Male

DAY ON TEST: 719

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23544

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-7]		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 11-12]		Leukemia Mononuclear	
* Mammary Gland		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Pancreas		Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Preputial Gland [Adenoma TGLS = 3-13]		Adenoma	
		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 7-11] [Leukemia Mononuclear TGLS = 6-11]		Fibrosis	Marked
		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4,5-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus [Leukemia Mononuclear TGLS = 13-2]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 641

TRT#: 7

SEX: Male

DAY ON TEST: 480

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Note: The grossly pale liver may have been due to anemia secondary to the skin neoplasm, or the rat may have bled out more than usual at time of euthanasia.			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 3-8]		
* Skin		Basal Cell Carcinoma	
	[Basal Cell Carcinoma TGLS = 2-11]		
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Skin Basal Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 642

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Leukemia Mononuclear	
* Bone Marrow		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
* Kidney		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Prostate		Inflammation	Chronic Active, Moderate
* Skin		Hyperkeratosis	Marked
		Inflammation	Chronic Active, Marked
	[Hyperkeratosis TGLS = 1-11]		
	[Inflammation TGLS = 1-11]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 642	TRT#: 7	SEX: Male	DAY ON TEST: 734
	DOSE: 375 PPM	DISP: Terminal Sacrifice	HISTO: 23546

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Interstit Cell	Adenoma Atrophy	Mild
[Atrophy TGLS = 7-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urin Bladder			

Note: "Thick" fluid in bladder lumen was normal secretion from seminal vesicles.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 643

TRT#: 7

SEX: Male

DAY ON TEST: 608

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Degeneration TGLS = 3,5-4+11]			
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-12]			
* Stomach, Forestomach		Inflammation	Acute, Mild
[Inflammation TGLS = 6-13]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 644

TRT#: 7

SEX: Male

DAY ON TEST: 705

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 5-12]		
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 644	TRT#: 7	SEX: Male	DAY ON TEST: 705
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23548

ORGAN AND ACCOUNTABLE SITE STATUS

Penis
Note: Penis was normal microscopically. Grossly noted color (green) was actually from secretion from cystic preputial gland.

* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Preputial Gland [Cyst TGLS = 3-13+14]		Cyst	Marked
* Prostate		Inflammation	Suppurative, Moderate
* Spleen [Leukemia Mononuclear TGLS = 4-11]		Fibrosis Leukemia Mononuclear	Mild
* Testes		Atrophy	Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Urin Bladder			

Note: "Calculus" was normal secretion from accessory sex glands.

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 645

TRT#: 7

SEX: Male

DAY ON TEST: 551

DOSE: 375 PPM

DISP: Natural Death

HISTO: 23549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Epididymis | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lung | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------------------|---------------|----------------|-------------------|
| * Brain | | Hemorrhage | Moderate |
| [Hemorrhage TGLS = 2-1] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| * Nose | | Inflammation | Suppurative, Mild |
| * Pancreas | | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-8] | | | |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 646

TRT#: 7

SEX: Male

DAY ON TEST: 636

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
---------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Angiectasis	Moderate
		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Minimal
[Angiectasis TGLS = 5-4]			
[Degeneration TGLS = 6-4]			
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Renal	Hemorrhage	Minimal
[Hemorrhage TGLS = 8-13]			
* Pancreas		Hyperplasia	Mild
* Pituitary Gland	Pars Intermed	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-12+7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 646

TRT#: 7

SEX: Male

DAY ON TEST: 636

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23550

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Intermed Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 647

TRT#: 7

SEX: Male

DAY ON TEST: 692

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Larynx | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Preputial Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------------------------|------------|-------------------------|----------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone Marrow | | Pheochromocytoma Benign | |
| * Heart | | Leukemia Mononuclear | |
| * Intestine Large, Cecum | | Cardiomyopathy | Mild |
| [Diverticulum TGLS = 12-12] | | Diverticulum | |
| * Islets, Pancreatic | | Carcinoma | |
| [Carcinoma TGLS = 11-13] | | | |
| * Kidney | | Leukemia Mononuclear | |
| [Nephropathy TGLS = 7-5] | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| [Leukemia Mononuclear TGLS = 6-4] | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-3] | | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-2] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 647

TRT#: 7

SEX: Male

DAY ON TEST: 692

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23551

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Thrombosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 2-8]		
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 3-8]		
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 9,10-11]		
	[Leukemia Mononuclear TGLS = 8-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-7]		
* Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 648

TRT#: 7

SEX: Male

DAY ON TEST: 650

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 7-11]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Stomach, Forestomach		Inflammation	Acute, Mild
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 648

TRT#: 7

SEX: Male

DAY ON TEST: 650

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23552

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Artery

Inflammation

Mild

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 649

TRT#: 7

DOSE: 375 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 571

HISTO: 23553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 650

TRT#: 7

SEX: Male

DAY ON TEST: 495

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------|-------------------|-------------------|
| * Bone | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Rectum | * Islets, Pancreatic | * Larynx | * Nose |
| * Parathyroid Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Skin | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|--|----------------------|------|
| * Adrenal Cortex | Leukemia Mononuclear | |
| * Adrenal Medulla | Leukemia Mononuclear | |
| * Bone Marrow | Leukemia Mononuclear | |
| | Myelofibrosis | Mild |
| [Leukemia Mononuclear TGLS = 2-11] | | |
| * Heart | Cardiomyopathy | Mild |
| | Leukemia Mononuclear | |
| * Intestine Large, Cecum | Leukemia Mononuclear | |
| * Intestine Large, Colon | Leukemia Mononuclear | |
| * Intestine Small, Duodenum | Leukemia Mononuclear | |
| * Intestine Small, Ileum | Leukemia Mononuclear | |
| * Intestine Small, Jejunum | Leukemia Mononuclear | |
| * Kidney | Leukemia Mononuclear | |
| | Nephropathy | Mild |
| * Liver | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-4] | | |
| * Lung | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-2] | | |
| * Lymph Node, Mesenteric | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 9-6+13] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 650

TRT#: 7

SEX: Male

DAY ON TEST: 495

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23554

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Leukemia Mononuclear TGLS = 5-17]		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 4,6,7,8-12+14+15+16]		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear Necrosis	Mild
* Stomach, Glandular		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 10-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 101

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lymph Node, Bronchial | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- | | |
|---------------------------|----------|
| * Lymph Node, Mediastinal | * Thymus |
|---------------------------|----------|

OBSERVATIONS

- | | | | |
|---------------------------------|----------------|--------------------|----------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Mixed Cell Focus | |
| [Mixed Cell Focus TGLS = 1-4] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| * Pancreas | | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| [Hyperplasia TGLS = 2-8] | | | |
| * Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 102

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Eye		Degeneration	Moderate
Note: Moderate cataract, synechia, retinal atrophy [Degeneration TGLS = 2-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 7-13] [Degeneration TGLS = 5-4] [Hepatodiaphragmatic Nodule TGLS = 4-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Stomach, Forestomach		Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 103

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 727

HISTO: 23457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Degeneration	Fatty, Minimal
Note: "Nodule" described grossly was normal variation in shape of liver lobe. [Degeneration TGLS = 5-4]			
* Mammary Gland		Hyperplasia	Atypical, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	Multiple
[Polyp Stromal TGLS = 4-13]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 3-7]			
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Moderate
[Angiectasis TGLS = 4-4]		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Minimal
[Carcinoma TGLS = 1-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 105

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 544

HISTO: 23459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland [Inflammation TGLS = 2-7]		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Lymph Node, Mesenteric [Hemorrhage TGLS = 4-6]		Hemorrhage	Moderate
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland [Adenoma TGLS = 1-8]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 3-11]		Inflammation	Chronic Active, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 106

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 691

HISTO: 23460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
Harderian Gland		Hemorrhage	Mild
[Hemorrhage TGLS = 3-14]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 8-4]			
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 9-13]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 106	TRT#: 2	SEX: Female	DAY ON TEST: 691
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 23460

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 4-12]			
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 6-11]			
[Leukemia Mononuclear TGLS = 5-11]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 107

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-11]		
* Ovary		Cyst	Mild
	[Cyst TGLS = 3-7]		
* Pancreas		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 108

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-4]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 2-11]			
* Mammary Gland		Hyperplasia	Atypical, Marked
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 109

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO: 23463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Reticulum Cell, Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-7]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Regeneration	Mild
[Hepatodiaphragmatic Nodule TGLS = 4-4]			
[Leukemia Mononuclear TGLS = 5-4]			
[Regeneration TGLS = 3-11]			
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-12]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23463

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 110

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Mild

Note: Hyperplasia involved stroma of endometrium and bulged toward serosal surface.

[Hyperplasia TGLS = 2-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 111

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone		Hyperostosis	Mild
* Clitoral Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-7]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Galactocele	Mild
[Carcinoma TGLS = 2-13]			
[Fibroadenoma TGLS = 4-15]			
[Galactocele TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 5-11+12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 112

TRT#: 2

SEX: Female

DAY ON TEST: 519

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Nose |
| * Ovary | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---------------------------|--------------------------------------|----------------------|----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Intestine Large, Colon | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Hyperplasia | Atypical, Mild |
| * Pancreas | | Atrophy | Mild |
| | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| | [Adenoma TGLS = 1-8] | | |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-11] | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 112

TRT#: 2

SEX: Female

DAY ON TEST: 519

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23466

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 113

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 604
HISTO: 23467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland			
Note: "Focus" in clitoral gland was normal duct filled with secretion.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
[Degeneration TGLS = 2,3,4-12+11+13]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 114

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 713

HISTO: 23468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|--------------------------|----------------------------|
| * Bone | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Mammary Gland | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|------------|----------------------|-----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 10-1] | | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Intestine Small, Duodenum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Degeneration | Fatty, Moderate |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-3] | | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |
| Note: Lymph node with no site listed was axillary lymph node. | | | |
| [Leukemia Mononuclear TGLS = 5-12] | | | |
| [Leukemia Mononuclear TGLS = 13-16] | | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-7] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 114	TRT#: 2	SEX: Female	DAY ON TEST: 713
	DOSE: CONTROL	DISP: Natural Death	HISTO: 23468

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Leukemia Mononuclear
* Lymph Node, Mesenteric		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 8-13]		
* Nose		Leukemia Mononuclear
Oral Mucosa	Pharyngeal	Squamous Cell Papilloma
[Squamous Cell Papilloma TGLS = 12-15]		
* Ovary		Leukemia Mononuclear
* Pancreas		Leukemia Mononuclear
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLS = 4-8]		
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 6-11]		
* Stomach, Forestomach		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 9-8]		
* Stomach, Glandular		Leukemia Mononuclear
* Thymus		Leukemia Mononuclear
* Uterus		Leukemia Mononuclear
[Polyp Stromal TGLS = 11-14]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 115

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Complex	
	[Pheochromocytoma Complex TGLS = 4-5]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 5-5]		
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 9-14]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Adenoma	
		Fibroadenoma	Multiple
	[Adenoma TGLS = 8-13]		
	[Fibroadenoma TGLS = 6,7-11+12]		
* Pancreas		Atrophy	Mild
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 115

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23469

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 2-4]

[Leukemia Mononuclear TGLS = 3-4]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 116

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Atypical, Minimal
[Fibroadenoma TGLS = 3,4-11+12]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 117

TRT#: 2

SEX: Female

DAY ON TEST: 714

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Leukemia Mononuclear	
[Alveolar/Bronchiolar Carcinoma TGLS = 2-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Atypical, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 117	TRT#: 2 DOSE: CONTROL	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 714 HISTO: 23471
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ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
* Trachea		Carcinoma	Metastatic (Lung)

PRIMARY CAUSE OF DEATH	- Lung	Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 118

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: 23472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral GI			
Note: "Enlarged" clitoral gland was normal duct filled with secretion.			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-11+12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 119

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: CONTROL

DISP: Natural Death

HISTO: 23473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Bone | * Bone Marrow | * Brain | * Clitoral Gland |
| * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Larynx | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|---------------------------------------|----------------------|-------------------|
| * Adrenal Cortex | Leukemia Mononuclear | |
| * Adrenal Medulla | Leukemia Mononuclear | |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Minimal |
| * Liver | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1,2-4] | | |
| * Lung | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | Leukemia Mononuclear | |
| * Nose | Inflammation | Suppurative, Mild |
| * Spleen | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-11] | | |

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 120

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 539

HISTO: 23474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lung | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

Lymph Node

OBSERVATIONS

- | | | | |
|---|---------------|------------------|------|
| * Brain | | Hemorrhage | Mild |
| Eye | | Cataract | Mild |
| [Cataract TGLS = 4-12] | | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| Lymph Node | | | |
| Note: Grossly enlarged thoracic lymph node could not be found in wet tissues. Slide 11 contained a piece of vegetable material, not lymph node. | | | |
| * Ovary | | | |
| Note: Ovary dark and enlarged due to postmortem pooling of blood. | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-8] | | | |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 121

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 519

HISTO: 23475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 2,3-11+12+13]			
* Clitoral GI			
Note: Enlarged clitoral gland was due to dilated duct full of secretion.			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Lung		Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 5-3]			
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 4-2]			
* Mammary Gland		Hyperplasia	Atypical, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Bone Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 122

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Clitoral Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 123

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 23477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland [Inflammation TGLS = 3-7]		Inflammation	Chronic Active, Mild
Harderian Gland Note: Normal Harderian gland was cut in inadvertently (slide 11).			
* Heart		Cardiomyopathy	Minimal
* Kidney [Nephropathy TGLS = 2-5]		Nephropathy	Moderate
* Liver		Basophilic Focus Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland [Hyperplasia TGLS = 1-8]	Pars Distalis	Hyperplasia	Mild
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 124

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: 23478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Hepatodiaphragmatic Nodule TGLS = 4-4]		Hepatodiaphragmatic Nodule	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 573

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lung |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|---------------|-------------------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Mixed Cell Focus | |
| [Mixed Cell Focus TGLS = 2-4+12] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-8] | | | |
| * Skin | | Squamous Cell Papilloma | |
| [Squamous Cell Papilloma TGLS = 3-11] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 126

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 650

HISTO: 23480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Rectum	* Islets, Pancreatic	* Mammary Gland
* Parathyroid Gland	* Skin	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
Harderian Gland		Leukemia Mononuclear	
Note: There was no microscopic finding to account for the clear fluid seen grossly in the harderian gland.			
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Larynx		Leukemia Mononuclear	
* Liver		Degeneration	Fatty, Moderate
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 9-11]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15]			
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 126

TRT#: 2

SEX: Female

DAY ON TEST: 650

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23480

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6+16]			
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15]			
* Nose		Inflammation	Suppurative, Moderate
		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Stomach, Forestomach		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 10-12]			
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 127

TRT#: 2

SEX: Female

DAY ON TEST: 691

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Carcinoma	
		Nephropathy	Mild
	[Carcinoma TGLS = 3-11]		
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Renal Tubule Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 128

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 454

HISTO: 23482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12+13+14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-11]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 129

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Atypical, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 130

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 131

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------------------|---------------|----------------------|-----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Fatty, Marked |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | | | |
| | | Leukemia Mononuclear | |
| | | Adenoma | |
| | Pars Distalis | | |
| | | Leukemia Mononuclear | |
| | | | |
| | | Inflammation | Acute, Moderate |
| | | Necrosis | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |
| * Uterus | | Leiomyoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 131

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23485

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 132

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lymph Node, Mandibular |
| * Nose | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|-------------------------------------|-----------|----------------------|----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Adenoma | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Degeneration | Fatty, Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | | Mixed Cell Focus | |
| [Leukemia Mononuclear TGLS = 4-4] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | | Hyperplasia | Atypical, Mild |
| [Fibroadenoma TGLS = 1,2-13+14] | | | |
| Mesentery | Fat | Necrosis | Mild |
| [Necrosis TGLS = 6-12] | | | |
| * Ovary | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 132

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23486

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-11]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 133

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Atypical, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 600

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea			

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 7,8-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-16]			
[Leukemia Mononuclear TGLS = 11-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 600

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23488

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-6]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Angiectasis TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,10-12+11]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 14-13]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
* Uterus		Cyst	Mild
		Leukemia Mononuclear	
[Cyst TGLS = 5-14]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 135

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-7]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 136

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 631
HISTO: 23490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Hydrocephalus	Mild
[Hydrocephalus TGLS = 3-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Larynx		Metaplasia	Squamous, Minimal
* Liver		Basophilic Focus	
[Eosinophilic Focus TGLS = 5,6-12+13]		Eosinophilic Focus	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 4-11]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 137

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex [Hypertrophy TGLS = 4-5]		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney [Nephropathy TGLS = 7-5]		Nephropathy	Moderate
* Liver [Basophilic Focus TGLS = 5-4]		Basophilic Focus	
* Mammary Gland [Fibroadenoma TGLS = 3,6-11+12]		Fibroadenoma Hyperplasia	Multiple Atypical, Minimal
* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 138

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 631

HISTO: 23492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Inflammation	Chronic Active, Moderate
	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
[Leukemia Mononuclear TGLS = 12-15]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: Lymph node with no site listed was hepatic lymph node.			
[Leukemia Mononuclear TGLS = 6-12]			
[Leukemia Mononuclear TGLS = 9-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 138

TRT#: 2

SEX: Female

DAY ON TEST: 631

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23492

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 10-11+7]		Fibroadenoma	Multiple
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
Skeletal Muscle Note: Skeletal muscle was diaphragm. [Leukemia Mononuclear TGLS = 7-13]		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 8-4]		Leukemia Mononuclear	
* Thymus [Leukemia Mononuclear TGLS = 11-2]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 139

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 630

HISTO: 23493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-1]			
* Heart		Leukemia Mononuclear	
* Kidney		Infarct	Moderate
		Leukemia Mononuclear	
[Infarct TGLS = 5-13]		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		Necrosis	Moderate
		Regeneration	Mild
Note: TGL 2 (necrosis) was an infarct.			
[Leukemia Mononuclear TGLS = 3-4+12]			
[Necrosis TGLS = 2-12]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 630

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23493

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-11]			
* Stomach, Forestomach		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8+14]			
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 9-15]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 140

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
* Mammary Gland		Galactocele	Moderate
		Hyperplasia	Atypical, Moderate
[Hyperplasia TGLS = 1-11]			
* Pancreas		Atrophy	Mild
	Artery	Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin			
Note: TGL 2 was not found at trim or on re-examination of wet tissues. It may have been clitoral gland with duct full of normal secretion.			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 141

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Moderate
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 681

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Rectum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Trachea	Vagina	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10,11-11+12+13]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 14-24]			
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 8-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	iliac	Pigmentation	Mild
[Pigmentation TGLS = 15-25]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 142

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 681
HISTO: 23496

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-19]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 18-21+22]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-16]			
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-17]			
* Stomach, Forestomach		Inflammation	Acute, Mild
		Leukemia Mononuclear	
[Inflammation TGLS = 20-15]			
[Leukemia Mononuclear TGLS = 12-14]			
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-14]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 17-23]			
Vagina			

Note: There was no microscopic finding to account for the vaginal adhesion described grossly.

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 658

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Mild
	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Minimal
* Kidney	Leukemia Mononuclear	
	Nephropathy	Mild
* Liver	Basophilic Focus	
	Degeneration	Fatty, Moderate
	Hepatocellular Adenoma	
	Leukemia Mononuclear	
	Mixed Cell Focus	
[Degeneration TGLS = 2-4]		
[Hepatocellular Adenoma TGLS = 3-11]		
* Lung	Leukemia Mononuclear	
* Lymph Node, Bronchial	Leukemia Mononuclear	
* Lymph Node, Mandibular	Leukemia Mononuclear	
* Lymph Node, Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 8-14]		
* Ovary	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 658

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23497

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-7]

* Pancreas

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 1-8]

* Spleen

Leukemia Mononuclear

Thrombosis

Mild

[Leukemia Mononuclear TGLS = 4-12]

[Thrombosis TGLS = 5-13]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 144

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 23498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-11+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 145

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 146

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 565

HISTO: 23500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Brain		Astrocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Atypical, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin		Inflammation	Acute, Moderate
[Inflammation TGLS = 2-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 147

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-11]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 148

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 585

HISTO: 23502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Nephropathy	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-4]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactoceles	Mild
		[Galactoceles TGLS = 4-11]	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
		[Adenoma TGLS = 1-8]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-4]	
* Stomach, Forestomach		Leukemia Mononuclear	
		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 148

TRT#: 2

SEX: Female

DAY ON TEST: 585

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 23502

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 3-8]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 149

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 150

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3,4-11+12+13+14]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 662

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Mild
* Brain		Hydrocephalus	Mild
[Hydrocephalus TGLS = 5-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Ovary		Cyst	Marked
[Cyst TGLS = 1-11]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-7]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
[Hyperplasia TGLS = 5-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Atypical, Minimal
[Carcinoma TGLS = 1-11]			
[Fibroadenoma TGLS = 1,3-11+12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-13]			
* Nose		Inflammation	Chronic Active, Minimal
* Pancreas		Basophilic Focus	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23757

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 2-8]

Pars Distalis

Adenoma

* Spleen

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 6-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 304

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 680

HISTO: 23758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Moderate
[Hypertrophy TGLS = 4-5]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4]			
* Mammary Gland		Galactocele	Minimal
		Hyperplasia	Atypical, Minimal
[Galactocele TGLS = 5-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 305

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 561

HISTO: 23759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-4]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-11]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-6+12]	
* Pituitary Gland		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-8]	
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 305	TRT#: 4	SEX: Female	DAY ON TEST: 561
	DOSE: 94 PPM	DISP: Moribund Sacrifice	HISTO: 23759

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-11]		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
[Angiectasis TGLS = 5-12]			
[Basophilic Focus TGLS = 6-11]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Atypical, Minimal
[Fibroadenoma TGLS = 3,4-14+15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-13]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 588

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lung | * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---|---------------|------------------|-------------------|
| * Int Lg Cecum | | | |
| Note: Both "masses" were normal Peyer's patches (lymphoid follicles). | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| * Mammary Gland | | Carcinoma | Multiple |
| | | Hyperplasia | Atypical, Minimal |
| [Carcinoma TGLS = 2,5-12+13] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-8] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Moderate |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland [Inflammation TGLS = 2-7]		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 3-4]		Basophilic Focus	
* Mammary Gland [Fibroadenoma TGLS = 1-11]		Fibroadenoma	
* Pancreas		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Minimal
		Mixed Cell Focus	
[Degeneration TGLS = 3-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-3]			
* Nose		Inflammation	Chronic Active, Mild
* Ovary		Granulosa Cell Tumor Benign	
[Granulosa Cell Tumor Benign TGLS = 2-7]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Int Lg Rectum			
Note: Rectum was grossly dilated by impinging sarcoma, but was otherwise normal microscopically.			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Atypical, Minimal
		Sarcoma	Metastatic (Skin)
Note: Involvement was more an extension of the sarcoma rather than actual metastasis.			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Skin	Subcut Tiss	Sarcoma	
Note: Some mammary gland has been incorporated into the sarcoma in these sections.			
Note: Sarcoma grossly compressed rectum and vagina in pelvic cavity and also was closely associated with ilium.			
[Sarcoma TGLS = 3,5,6-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23764

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 311

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-11]			
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 1-8]			
* Salivary Glands		Basophilic Focus	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Tooth		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 312

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 600

HISTO: 23766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Hemorrhage	Mild
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Moderate
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin			
Note: Mass on left cheek was normal adnexal structures of the skin, including large tactile hairs and numerous small hair follicles with sebaceous glands (NCL).			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 623

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,2,10-11+12+3+13]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: Lymph node with no site listed was found on recheck of wet tissues; site could not be determined.			
	[Leukemia Mononuclear TGLS = 8-16]		
	[Leukemia Mononuclear TGLS = 13-18]		
	[Leukemia Mononuclear TGLS = 7-15]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-7]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 313

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 623

HISTO: 23767

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 5,14-17+19]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Skin			
Note: Skin "lesion" in groin was normal clitoral gland with dilated duct filled with secretion.			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:16
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 664

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 5-4]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLS = 7-6]			
* Mammary Gland		Carcinoma	Multiple
[Carcinoma TGLS = 3,4-11+12+13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 315

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 665

HISTO: 23769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-14]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 3-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 665

DOSE: 94 PPM

DISP: Natural Death

HISTO: 23769

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 6-4]		Leukemia Mononuclear
* Thymus		Leukemia Mononuclear
* Thyroid Gland	Follicular Cel	Adenoma
* Uterus [Polyp Stromal TGLS = 7-13]		Polyp Stromal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:16

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 316

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 520

HISTO: 23770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Mild
	Artery	Mineralization	Moderate
* Kidney	Renal Tubule	Hyperplasia	Mild
		Mineralization	Marked
		Nephropathy	Marked
Note: Right kidney quite small and completely mineralized.			
			[Mineralization TGLS = 3-5]
			[Nephropathy TGLS = 2-5]
* Liver		Basophilic Focus	
* Lung	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Mild
			[Mineralization TGLS = 4-3]
* Mammary Gland		Hyperplasia	Atypical, Mild
* Ovary		Cyst	Moderate
			[Cyst TGLS = 1-7]
* Parathyroid Gland		Hyperplasia	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 520

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23770

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 5-8]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 317

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: The "nodule" described grossly was a normal variation in the surface contours of the liver.			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Bronchiole	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Skin			
Note: The subcutaneous "lesion" was actually normal vaginal tissue.			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 3-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 720

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Atypical, Minimal
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 319

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 5-7]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Metaplasia	Squamous, Mild
* Liver		Basophilic Focus	
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 3-2]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11+12]		Hyperplasia	Atypical, Minimal
[Hyperplasia TGLS = 2-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-14]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 7-4]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 319

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23773

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lung |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|---|-------------------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Mixed Cell Focus | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 1-8] | | |
| * Skin | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLS = 2-11] | | |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 606

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Clitoral Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-4]			
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 5-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 322

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 667

HISTO: 23776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	Skeletal Muscle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Fatty, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12+13+14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Stomach, Forestomach		Inflammation	Acute, Moderate
[Inflammation TGLS = 4-11]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 586

DOSE: 94 PPM

DISP: Natural Death

HISTO: 23777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
Note: Mottled dark gross appearance due to postmortem pooling of blood (NCL).			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 6-5]		
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 3-4]	Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 5-4]		
* Lung		Fibrosis	Focal, Minimal
	[Hyperplasia TGLS = 4-12]	Hyperplasia	Minimal
	Alveolar Epith		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11+13]	Hyperplasia	Atypical, Minimal
* Pancreas		Metaplasia	Hepatocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 325

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 488

HISTO: 23779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
Note: Islet carcinoma in slide 15.			
* Kidney		Nephropathy	Mild
* Liver		Carcinoma	Metastatic (Islets, Pancreatic)
[Carcinoma TGLS = 3,4,5,6,7-14+15+4+11+12+13]			
* Lung		Carcinoma	Metastatic (Islets, Pancreatic)
* Lymph Node, Mediastinal		Hemorrhage	Moderate
[Hemorrhage TGLS = 8-2]			
Mesentery		Carcinoma	Metastatic (Islets, Pancreatic)
[Carcinoma TGLS = 2-16]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Islets, Pancreatic Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 326

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Atypical, Mild
[Carcinoma TGLS = 3-11]			
[Fibroadenoma TGLS = 3-11]			
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin		Inflammation	Granulomatous, Moderate
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Larynx		Metaplasia	Squamous, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Atypical, Minimal
[Fibroadenoma TGLS = 2-11]			
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: The granular appearance was most likely the normal lobular pattern made more prominent by blood retained in the hepatic vasculature.			
* Mammary Gland		Carcinoma	
		Hyperplasia	Atypical, Minimal
[Carcinoma TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral Gland		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Atypical, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 551

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Nose	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-7]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 5-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Skin			
Note: Skin "mass" in groin was normal clitoral gland with dilated duct filled with secretion.			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 551

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23784

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland

OBSERVATIONS

* Clitoral GI

Note: Clitorals were incorporated in mammary fibroadenomas and could not be distinguished at necropsy, trim, or at re-examination of residual wet tissue.

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-12+13+15+14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 495

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Degeneration	Fatty, Minimal
[Basophilic Focus TGLS = 3-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 333

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Reticulum Cell, Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-12]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-13+14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 473

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 3-12+13+14+15+16+17+18]			

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 335

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 580

HISTO: 23789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland			
Note: The grossly enlarged clitoral glands were due to dilated ducts filled with secretion.			
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-11]			
* Lung			
Note: The multiple white foci described grossly were areas of normal lung with more trapped air and less pooled blood than adjacent relatively congested areas (NCL).			
* Mammary Gland		Inflammation	Suppurative, Mild
* Pituitary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 336	TRT#: 4	SEX: Female	DAY ON TEST: 428
	DOSE: 94 PPM	DISP: Natural Death	HISTO: 23790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1]			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
[Hemorrhage TGLS = 2-3]		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	
* Skin		Hyperkeratosis	Minimal
[Hyperkeratosis TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-11]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 94 PPM

DISP: Terminal Sacrifice

HISTO: 23791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lung |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|----------------|----------------------------|-------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule TGLS = 1-4] | | | |
| * Nose | Nasolacrim Dct | Inflammation | Suppurative, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 435

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Larynx | * Lung | * Lymph Node, Bronchial | * Lymph Node, Mandibular |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|--|--------|----------------------------|---------|
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule TGLS = 2-11] | | | |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-12+13] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 339

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 621

HISTO: 23793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
Eye		Degeneration	Moderate
Note: mod retinal atrophy, lens atrophy, flocculent eosinophilic material in ant chamber.			
[Degeneration TGLS = 2-16]			
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Moderate
		Hepatocellular Adenoma	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-13]			
[Leukemia Mononuclear TGLS = 9-18]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 339	TRT#: 4	SEX: Female	DAY ON TEST: 621
	DOSE: 94 PPM	DISP: Moribund Sacrifice	HISTO: 23793

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-8]			
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 5-12]			
[Leukemia Mononuclear TGLS = 4,6-11+14]			
* Stomach, Forestomach		Necrosis	Mild
[Necrosis TGLS = 11-15]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 340

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung		Carcinoma	Metastatic (Mammary Gland)
Lymph Node	Pancreatic	Hemorrhage	Minimal
[Hemorrhage TGLS = 2-14]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Atypical, Minimal
[Carcinoma TGLS = 1-12]			
[Fibroadenoma TGLS = 3-11+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 341

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 700

HISTO: 23795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
		Inflammation	Granulomatous, Moderate
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 342

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 727

HISTO: 23796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-11]			
* Mammary Gland		Carcinoma	Multiple
[Carcinoma TGLS = 1,3-12+13]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Carcinoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 343

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 636

HISTO: 23797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose		Thrombosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 343	TRT#: 4 DOSE: 94 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 636 HISTO: 23797
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen Note: Foci were infarcts. [Leukemia Mononuclear TGLS = 6-13] [Thrombosis TGLS = 8-12]		Leukemia Mononuclear Thrombosis	Moderate
* Stomach, Forestomach		Leukemia Mononuclear Necrosis	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 691

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Atypical, Minimal
[Fibroadenoma TGLS = 2-11+12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Salivary Glands		Basophilic Focus	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 345

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 579

HISTO: 23799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lymph Node, Bronchial | * Lymph Node, Mandibular |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Stomach, Forestomach |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Clitoral Gland

AUTO PRECLUDES DIAG.

- * Spleen

OBSERVATIONS

- | | | | |
|----------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex | | Hematopoietic Cell Proliferation | Moderate |
| * Kidney | | Lipoma | |
| | | Nephropathy | Minimal |
| | [Lipoma TGLS = 5-12] | | |
| * Liver | | Degeneration | Fatty, Mild |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-3] | | |
| * Mammary Gland | | Hyperplasia | Atypical, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 3-8] | | |
| * Skin | Subcut Tiss | Fibrosarcoma | |
| | [Fibrosarcoma TGLS = 1-13+14] | | |
| * Spleen | | | |
| | Note: Autolysis precludes diagnosis TGLs = 4-11 | | |
| * Stomach, Glandular | | Necrosis | Minimal |

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 512

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Hemorrhage	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lymph Node, Mediastinal		Inflammation	Granulomatous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 347

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 348

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 576

HISTO: 23802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2,3-11+12]			
* Mammary Gland		Hyperplasia	Atypical, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 672

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 2-13]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-11+12]		
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 672

DOSE: 94 PPM

DISP: Moribund Sacrifice

HISTO: 23803

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Moderate

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 350

TRT#: 4

DOSE: 94 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 730

HISTO: 23804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3,5,6-7+11+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Sebaceous GI	Hypertrophy	Mild
[Hypertrophy TGLS = 2-13]			
* Stomach, Forestomach		Necrosis	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 691

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Mammary Gland | * Nose | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Glandular | * Trachea |
| * Uterus | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------------------------|--|----------------------------|----------|
| * Adrenal Cortex | | Hypertrophy | Moderate |
| | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | [Hepatodiaphragmatic Nodule TGLS = 4-12] | | |
| | [Leukemia Mononuclear TGLS = 3-4] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 1-3] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| Oral Mucosa | Pharyngeal | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLS = 5-10] | | |
| * Pancreas | | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 691

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23655

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Leukemia Mononuclear Hyperplasia	Mild
* Spleen		Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lung |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|------------------------|---------------|------------------|----------|
| * Adrenal Cortex | | Hypertrophy | Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-8] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 503

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mediastinal | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|----------------------|--------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Inflammation | Chronic Active, Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 3-4] | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Nose | Nasolacrim Dct | Inflammation | Suppurative, Moderate |
| * Ovary | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| | [Adenoma TGLS = 1-8] | | |
| * Skin | Vulva | Inflammation | Acute, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 503

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23657

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-11]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 504

TRT#: 6

SEX: Female

DAY ON TEST: 545

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-12+13+14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-11]			

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 505

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Note: There was no microscopic finding to explain the grossly described "pale" liver.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-13]			
* Ovary		Cyst	Marked
[Cyst TGLS = 4-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Papilloma	
[Papilloma TGLS = 5-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 506

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 512

HISTO: 23660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-11]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-7]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-2]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-6]	
* Nose		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 512

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23660

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Leukemia Mononuclear Hyperplasia Leukemia Mononuclear	Mild
[Hyperplasia TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-11]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 507

TRT#: 6

SEX: Female

DAY ON TEST: 665

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4,5,6-4+13]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Atypical, Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 508	TRT#: 6	SEX: Female	DAY ON TEST: 657
	DOSE: 188 PPM	DISP: Moribund Sacrifice	HISTO: 23662

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-8]

* Stomach, Forestomach

Necrosis

Moderate

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 619

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Hydrocephalus	Moderate
[Hydrocephalus TGLS = 8-1]			
* Clitoral Gland		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
		Mixed Cell Focus	
[Degeneration TGLS = 6-4]			
[Mixed Cell Focus TGLS = 7-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
Mesentery	Fat	Necrosis	Mild
Note: Dark red masses in mesentery were normal accessory spleens (NCL).			
[Necrosis TGLS = 5-13]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Acute, Mild
[Hyperplasia TGLS = 9-8+11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 619

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23663

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 510

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Esophagus
* Intestine Small, Duodenum
* Larynx
* Lymph Node, Mediastinal
* Pancreas
* Spleen
* Urinary Bladder

* Bone
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lung
* Lymph Node, Mesenteric
* Parathyroid Gland
* Stomach, Forestomach
* Uterus

* Brain
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Bronchial
* Nose
* Salivary Glands
* Stomach, Glandular

* Clitoral Gland
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mandibular
* Ovary
* Skin
* Trachea

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex
* Bone Marrow
* Heart
* Kidney
* Liver

* Mammary Gland

[Fibroadenoma TGLS = 1-11]

Mesentery

[Necrosis TGLS = 3-12]

* Pituitary Gland

[Adenoma TGLS = 2-8]

* Thyroid Gland

Hypertrophy
Hyperplasia
Cardiomyopathy
Nephropathy
Basophilic Focus
Degeneration
Fibroadenoma
Hyperplasia

Necrosis

Adenoma

Hyperplasia

Mild
Reticulum Cell, Minimal
Minimal
Moderate

Cystic, Minimal
Atypical, Minimal

Mild

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 511

TRT#: 6

SEX: Female

DAY ON TEST: 712

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]		Mixed Cell Focus	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-14]			
[Leukemia Mononuclear TGLS = 6-11]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-12]			
* Mammary Gland		Fibroadenoma	Multiple
		Leukemia Mononuclear	
[Fibroadenoma TGLS = 1,4,11-15+13+16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 511

TRT#: 6

SEX: Female

DAY ON TEST: 712

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23665

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 512

TRT#: 6

SEX: Female

DAY ON TEST: 698

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Fatty, Mild
	[Degeneration TGLS = 3-4]	Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 6-13]	Galactocele	Moderate
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Skin	Subcut Tiss	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 1-11+14]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Schwannoma Malignant

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 513

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Bone Marrow | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lung | * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|---|-------------------------|----------------------|
| * Adrenal Cortex | | Hypertrophy | Minimal |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Clitoral Gland | | Adenoma | |
| | | Inflammation | Chronic Active, Mild |
| | [Adenoma TGLS = 4-7] | | |
| | [Inflammation TGLS = 1-7] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | | Clear Cell Focus | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLS = 2,3,6-13+12+11] | | |
| * Ovary | | | |
| | Note: Blood pooling in the superficial vessels may have given the mottled gross appearance to the left ovary. | | |
| * Pancreas | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 7-8] | | |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 514

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-12]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-11]			
* Nose		Inflammation	Chronic Active, Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 515

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Mammary Gland		Hyperplasia	Atypical, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Larynx		Metaplasia	Squamous, Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-11]			
* Ovary		Cyst	Mild
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 517

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Atypical, Mild
	[Fibroadenoma TGLS = 2-12+13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 4-11]		
	[Leukemia Mononuclear TGLS = 3-11]		
* Stomach, Glandular		Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 517

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23671

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 518

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
[Angiectasis TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 519

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,7-15+14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Hydrometra	Mild
		Polyp Stromal	

Note: TGLs 4 & 6 were dilated fluid-filled uterine horn having the appearance of a nodule/mass grossly.

Note: Additional section of possible nodule in uterine body was normal cervix.

 [Hydrometra TGLS = 4,6-11+8]

 [Polyp Stromal TGLS = 5-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 520

TRT#: 6

SEX: Female

DAY ON TEST: 468

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11+12]			
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 521

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLS = 1-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
	[Leukemia Mononuclear TGLS = 9-5]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10,11-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-15]		
	[Leukemia Mononuclear TGLS = 5-13+17]		
	[Leukemia Mononuclear TGLS = 13-16]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23676

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 1-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 14-6]		Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLS = 15-18]		Fibroadenoma	
Mesentery [Necrosis TGLS = 8-14]	Fat	Necrosis	Mild
* Ovary [Granulosa Cell Tumor Benign TGLS = 4-12]		Granulosa Cell Tumor Benign Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 6,7-11]		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lung | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose |
| * Ovary | * Parathyroid Gland | * Salivary Glands | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---|---------------|-------------------------|----------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Hypertrophy | Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| Note: There was no microscopic finding to account for the grossly described "pale" liver. | | | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | | Hyperplasia | Atypical, Mild |
| [Fibroadenoma TGLS = 4,5-12+13] | | | |
| * Pancreas | | Atrophy | Mild |
| | | Basophilic Focus | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-8] | | | |
| * Skin | | Squamous Cell Carcinoma | |
| [Squamous Cell Carcinoma TGLS = 3-11] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 524

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 5-4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-12+11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 6-13]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 525

TRT#: 6

SEX: Female

DAY ON TEST: 686

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Thymus
-------------------------	----------

OBSERVATIONS

Eye			
Note: There was no microscopic finding to explain exophthalmos of left eye.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 5-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Inflammation	Acute, Moderate
		Necrosis	Moderate
* Stomach, Glandular		Inflammation	Acute, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-7+11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 527

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Clitoral Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 5-7]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+12+13]			
* Pituitary Gland	Pars Distalis	Carcinoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 528

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Parathyroid Gland	* Skin	* Trachea	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 4-12]		
Mesentery		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-13]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 528

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23682

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-8]		
* Salivary Glands		Atrophy	Mild
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 2-11]		
	[Leukemia Mononuclear TGLS = 1-11]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 529

TRT#: 6

SEX: Female

DAY ON TEST: 508

DOSE: 188 PPM

DISP: Natural Death

HISTO: 23683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

Eye		Cataract	Mild
[Cataract TGLS = 1,3-11]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Lymph Node	Renal	Pigmentation	Mild
[Pigmentation TGLS = 5-12]			
* Mammary Gland		Hyperplasia	Atypical, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 530

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Bone | * Brain | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Larynx | * Lung | * Lymph Node, Bronchial | * Lymph Node, Mandibular |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------|----------------|
| * Adrenal Medulla
[Pheochromocytoma Malignant TGLS = 6-5] | | Pheochromocytoma Malignant | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland
Note: Clitoral mass seen as bilateral grossly was all one mass microscopically.
[Carcinoma TGLS = 1-7] | | Carcinoma | |
| * Kidney
[Nephropathy TGLS = 5-5] | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Leukemia Mononuclear | |
| * Mammary Gland
[Fibroadenoma TGLS = 2,7-12+11] | | Fibroadenoma | Multiple |
| | | Hyperplasia | Atypical, Mild |
| * Pituitary Gland
[Adenoma TGLS = 3-8] | Pars Distalis | Adenoma | |
| * Spleen
[Leukemia Mononuclear TGLS = 4-4] | | Leukemia Mononuclear | |
| * Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 532

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 705

HISTO: 23686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6,9-5]			
* Liver		Degeneration	Fatty, Marked
[Degeneration TGLS = 5-4]			
* Lym Node Media			
Note: Subcapsular sinus was dilated and contained a few erythrocytes, which may have explained the gross redness and slight enlargement.			
Lymph Node	Renal	Hemorrhage	Moderate
[Hemorrhage TGLS = 8-14]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7,10-13+15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Stomach, Forestomach		Inflammation	Acute, Moderate
		Necrosis	Marked
* Stomach, Glandular		Necrosis	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 532

TRT#: 6

SEX: Female

DAY ON TEST: 705

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23686

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Nose |
| * Ovary | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------------------|---------------|----------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Carcinoma | |
| [Carcinoma TGLS = 2-7] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-6] | | | |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 3-13] | | | |
| * Pancreas | | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-8] | | | |
| * Spleen | | Fibrosis | Mild |
| | | Leukemia Mononuclear | |
| [Fibrosis TGLS = 6-11] | | | |
| [Leukemia Mononuclear TGLS = 5-11] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23687

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 534

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 535

TRT#: 6

SEX: Female

DAY ON TEST: 646

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12+13+14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 536

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 491

HISTO: 23690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland	* Skin
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15+16]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach		Diverticulum	
[Diverticulum TGLS = 2-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 537

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 538

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 4-4]			
* Mammary Gland		Galactocele	Moderate
		Hyperplasia	Atypical, Minimal
[Galactocele TGLS = 1-11]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
		Inflammation	Chronic Active, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 539

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 3-7]		Carcinoma	
* Kidney		Nephropathy	Moderate
* Liver [Mixed Cell Focus TGLS = 4-11]		Basophilic Focus Clear Cell Focus Mixed Cell Focus	
* Mammary Gland [Fibroadenoma TGLS = 1-12]		Fibroadenoma	
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus [Polyp Stromal TGLS = 5-8]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 540

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-7]			
* Lymph Node, Mediastinal		Hemorrhage	Moderate
[Hemorrhage TGLS = 2-2]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Atypical, Minimal
[Fibroadenoma TGLS = 5,6-13+12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-11]			
* Ovary		Inflammation	Granulomatous, Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 541

TRT#: 6

SEX: Female

DAY ON TEST: 670

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Ovary
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-12]		
	[Leukemia Mononuclear TGLS = 10-14]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 8,11-11+15]		
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 541	TRT#: 6	SEX: Female	DAY ON TEST: 670
	DOSE: 188 PPM	DISP: Moribund Sacrifice	HISTO: 23695

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Hyperplasia TGLS = 3-8]	Pars Distalis	Hyperplasia	Moderate
* Spleen [Leukemia Mononuclear TGLS = 5,6-13]		Leukemia Mononuclear	
* Stomach, Forestomach [Inflammation TGLS = 9-16] [Necrosis TGLS = 12-17]		Inflammation Necrosis	Acute, Moderate Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 542

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 513

HISTO: 23696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 3,5-4+11]		
* Lung		Congestion	Marked
	[Congestion TGLS = 1-3]		
* Mammary Gland		Hyperplasia	Atypical, Mild
* Ovary		Cyst	Mild
	[Cyst TGLS = 4-7]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 543

TRT#: 6

SEX: Female

DAY ON TEST: 440

DOSE: 188 PPM

DISP: Moribund Sacrifice

HISTO: 23697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Skin

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Lung		Carcinoma	Metastatic (Mammary Gland)
[Carcinoma TGLS = 1,2-3]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 3-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 544

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 545

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone	Cranium	Hyperostosis	Moderate
	Femur	Hyperostosis	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 3-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
* Stom Forestom			
Note: "Nodule" seen grossly was normal limiting ridge between forestomach and glandular stomach.			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 546

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 547

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 650

HISTO: 23701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-13]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Atypical, Minimal
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH - Clitoral Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 548

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 638

HISTO: 23702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Alveolar/Bronchiolar Adenoma TGLS = 5-11]		
	[Hyperplasia TGLS = 3-3]		
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Atypical, Mild
	[Fibroadenoma TGLS = 1,2-12+13+14+15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 549

TRT#: 6

DOSE: 188 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 432

HISTO: 23703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Urinary Bladder
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Fatty, Mild
[Degeneration TGLS = 3-4]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Stomach, Forestomach		Necrosis	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 1,2-11+12+13]			

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 550

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 188 PPM

DISP: Terminal Sacrifice

HISTO: 23704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Moderate
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 1-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Mild
[Hemorrhage TGLS = 2-3]			
* Mammary Gland		Hyperplasia	Atypical, Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 701

TRT#: 8

SEX: Female

DAY ON TEST: 597

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Nephropathy	Mild
	Bile Duct	Hepatodiaphragmatic Nodule Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 8-12]		
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-7]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Mammary Gland		Galactocele	Mild
	[Galactocele TGLS = 10-13]		
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 701	TRT#: 8	SEX: Female	DAY ON TEST: 597
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23555

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-11]			
* Stomach, Forestomach		Necrosis	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 702

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 607

HISTO: 23556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland			
Note: Grossly enlarged clitoral gland was actually mammary fibroadenoma.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus Eosinophilic Focus Mixed Cell Focus	
Note: There was no microscopic change to account for the granular gross description.			
[Mixed Cell Focus TGLS = 6-11]			
* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Atypical, Mild
[Fibroadenoma TGLS = 2,3,8-12+7+13+14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 703

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 672

HISTO: 23557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Degeneration	Fatty, Minimal
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 3-12]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 1-11]		
* Mammary Gland		Fibroadenoma	
	Note: There were areas of cellular atypia in the fibroadenoma.		
	[Fibroadenoma TGLS = 5-13+14]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy; Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 704

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 642

HISTO: 23558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-11]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-13]		
	[Leukemia Mononuclear TGLS = 2-12]		
	[Leukemia Mononuclear TGLS = 11-16]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 704	TRT#: 8	SEX: Female	DAY ON TEST: 642
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23558

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-19]			
* Mammary Gland		Carcinoma Hyperplasia	Atypical, Mild
Note: Carcinoma contains many lipid vacuoles.			
[Carcinoma TGLS = 8-14]			
Mesentery		Leukemia Mononuclear Necrosis	Mild
[Necrosis TGLS = 9-15]	Fat		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-4+17]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 14-18]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus			
Note: A few scattered pigment-containing macrophages were in the uterine wall, but would not have been evident grossly.			
Note: There was no microscopic finding to explain the dark focus described grossly.			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 705

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5,6,7-4+15]			
* Mammary Gland		Adenoma	
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+13+12]			
Oral Mucosa	Pharyngeal	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 3-14]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 706

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 636

HISTO: 23560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Reticulum Cell, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 707

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 425

HISTO: 23561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-4]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 708

TRT#: 8

SEX: Female

DAY ON TEST: 651

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
		Hyperplasia	Atypical, Moderate
[Fibroadenoma TGLS = 1-11]			
[Galactocele TGLS = 5-13,4-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 709

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lung | * Lymph Node, Bronchial |
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|---------------|-------------------------|----------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | | | |
| | | | |
| [Angiectasis TGLS = 3-14] | | | |
| [Basophilic Focus TGLS = 2-13] | | | |
| * Mammary Gland | | Fibroadenoma | |
| | | | |
| [Fibroadenoma TGLS = 1-11] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | | Squamous Cell Papilloma | |
| | | | |
| [Squamous Cell Papilloma TGLS = 4-12] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |
| * Uterus | | Polyp Stromal | Multiple |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 710

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

Eye		Degeneration	Marked
[Degeneration TGLS = 2-13]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Clear Cell Focus TGLS = 6-4A]		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,7-15+12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-14]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 711

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 712

HISTO: 23565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 7-4]			
* Mammary Gland		Carcinoma	Multiple
		Fibroadenoma	Multiple
		Galactocele	Mild
		Hyperplasia	Atypical, Mild
[Carcinoma TGLS = 1,3-11+13]			
[Fibroadenoma TGLS = 2,3-12+13]			
* Ovary		Cyst	Marked
[Cyst TGLS = 6-7]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Stomach, Forestomach		Inflammation	Acute, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Carcinoma; Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 712

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 634

HISTO: 23566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral GI			
Note: Enlarged clitoral gland was due to dilated duct filled with secretion.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Moderate
[Inflammation TGLS = 7-4]			
* Lung		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1,2,3-11+3+12]			
Lymph Node	Pancreatic	Infiltration Cellular	Eosinophil, Moderate
	Pancreatic	Inflammation	Granulomatous, Moderate
	Iliac	Pigmentation	Mild
[Inflammation TGLS = 6-14]			
[Pigmentation TGLS = 8-13]			
* Lymph Node, Bronchial		Infiltration Cellular	Eosinophil, Moderate
		Inflammation	Granulomatous, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Eosinophil, Moderate
		Inflammation	Granulomatous, Moderate
[Inflammation TGLS = 9-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 712

TRT#: 8

SEX: Female

DAY ON TEST: 634

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23566

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Hyperplasia

Atypical, Minimal

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 4-8]

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 713

TRT#: 8
DOSE: 375 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 23567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Skin

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 4-4]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Atypical, Mild
	[Carcinoma TGLS = 5-12]		
	[Fibroadenoma TGLS = 2,5-11+12]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 713	TRT#: 8	SEX: Female	DAY ON TEST: 733
	DOSE: 375 PPM	DISP: Terminal Sacrifice	HISTO: 23567

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Fibrosis TGLS = 3-4]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 714

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lymph Node, Bronchial		Carcinoma	Metastatic (Thyroid Gland)
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Atypical, Mild
[Fibroadenoma TGLS = 1,2,3,7-14+13+11+15+16]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-12]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 715

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 23569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 1-2]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Atypical, Minimal
[Fibroadenoma TGLS = 5-11]			
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 716

TRT#: 8

SEX: Female

DAY ON TEST: 604

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland			
Note: Enlarged clitoral gland was due to dilated duct filled with secretion.			
* Heart	Atrium	Thrombosis	Moderate
[Thrombosis TGLS = 2-12]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
[Degeneration TGLS = 3,6-4+11]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Atypical, Moderate
[Fibroadenoma TGLS = 9-14]			
* Nose		Thrombosis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 8-8+13]			
* Stomach, Glandular		Necrosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 716	TRT#: 8	SEX: Female	DAY ON TEST: 604
	DOSE: 375 PPM	DISP: Moribund Sacrifice	HISTO: 23570

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
------------------------	-------------------------------

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 717

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 552

HISTO: 23571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
* Clitoral GI		
Note: Enlarged clitoral gland was due to dilated duct filled with secretion.		
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-11]		
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-12]		
* Pancreas	Atrophy	Mild
* Thyroid Gland	C Cell Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 718

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 719

TRT#: 8

SEX: Female

DAY ON TEST: 676

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Thymus	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Carcinoma	Metastatic (Urinary Bladder)
		Nephropathy	Mild
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-4]			
* Lym Node Media			
Note: Enlarged mediastinal lymph node was normal microscopically. Sinuses were dilated and filled with macrophages which explained the slight enlargement.			
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 6-16]			
[Galactocele TGLS = 7-17]			
Mesentery		Carcinoma	Metastatic (Urinary Bladder)
[Carcinoma TGLS = 3-18]			
* Pancreas		Atrophy	Mild
		Carcinoma	Metastatic (Urinary Bladder)
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Skeletal Muscle		Carcinoma	Metastatic (Urinary Bladder)
[Carcinoma TGLS = 5-15]			
* Skin		Inflammation	Chronic Active, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Necrosis	Minimal
[Necrosis TGLS = 9-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 719

TRT#: 8

SEX: Female

DAY ON TEST: 676

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23573

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Transit Epithe

Carcinoma

[Carcinoma TGLS = 8-11+12+13]

PRIMARY CAUSE OF DEATH

- Urinary Bladder Transit Epithe Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 720

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Reticulum Cell, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Larynx		Metaplasia	Squamous, Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 721

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Marked
		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Carcinoma	
		Hyperplasia	Atypical, Minimal
[Carcinoma TGLS = 2-11]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 722

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Moderate
		Basophilic Focus	
[Angiectasis TGLS = 3-11]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Atypical, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 723

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Infarct	Moderate
		Leukemia Mononuclear	
		Nephropathy	Mild
[Infarct TGLS = 8-5]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Adenoma	
		Fibroadenoma	
		Hyperplasia	Lobular, Moderate
[Fibroadenoma TGLS = 2-12]			
[Hyperplasia TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 723	TRT#: 8 DOSE: 375 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 23577
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ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 7-13]	Fat	Necrosis	Moderate
* Nose		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 5,6-4]		Leukemia Mononuclear	
* Stomach, Forestomach		Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 724

TRT#: 8

SEX: Female

DAY ON TEST: 709

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 4-11]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	Note: Fibroadenoma had areas of cellular atypia.		
	[Fibroadenoma TGLS = 1-12+13]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 725

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 720

HISTO: 23579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral G

Note: Enlarged clitoral gland was due to dilated duct filled with secretion.

Eye	Retina	Atrophy	Mild
		Cataract	Moderate
	[Cataract TGLS = 2-12]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
	[Nephropathy TGLS = 5-14]		
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 4-13]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-11]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 726

TRT#: 8

SEX: Female

DAY ON TEST: 665

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Atypical, Minimal
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 727

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Carcinoma	
[Fibroadenoma TGLS = 2,3-11+12]		Fibroadenoma	Multiple
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 728

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 496

HISTO: 23582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 729

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Larynx	* Parathyroid Gland	* Thyroid Gland
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INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 730

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Bronchiole	Metaplasia	Mild
	Note: Bronchiolar metaplasia was a change in lining epithelium to tall columnar (pseudostratified) with goblet cells.		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Atypical, Mild
	[Fibroadenoma TGLS = 2-11]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 731

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-12]			
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin	Pinna, Subcut Tiss	Amelanotic Melanoma, Malignant	
[Amelanotic Melanoma, Malignant TGLS = 5-13]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 732

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	Moderate
Eye		Cataract	Marked
[Cataract TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-13]			
* Lung		Fibrosis	Multifocal, Mild
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 4-12]			
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 733

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 670

HISTO: 23587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Rectum	* Islets, Pancreatic	* Larynx
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Trachea			

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Mild
* Intestine Large, Cecum	Leukemia Mononuclear	
* Intestine Large, Colon	Leukemia Mononuclear	
* Intestine Small, Duodenum	Leukemia Mononuclear	
* Intestine Small, Ileum	Leukemia Mononuclear	
* Intestine Small, Jejunum	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	
	Nephropathy	Mild
* Liver	Leukemia Mononuclear	
	Mixed Cell Focus	
* Lung	Leukemia Mononuclear	
* Lymph Node, Bronchial	Leukemia Mononuclear	
* Lymph Node, Mandibular	Leukemia Mononuclear	
* Lymph Node, Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2]	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-15]	
* Mammary Gland	Fibroadenoma	
	[Fibroadenoma TGLS = 1-11+12]	
Mesentery	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]	
* Ovary	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 733

TRT#: 8

SEX: Female

DAY ON TEST: 670

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23587

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Stomach, Forestomach		Leukemia Mononuclear Necrosis	Mild
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 734

TRT#: 8

SEX: Female

DAY ON TEST: 550

DOSE: 375 PPM

DISP: Natural Death

HISTO: 23588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 735

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 665

HISTO: 23589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
Eye		Cataract	Moderate
[Cataract TGLS = 4-11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Larynx		Metaplasia	Squamous, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 6-14]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-12+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 736

TRT#: 8

SEX: Female

DAY ON TEST: 720

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[Nephropathy TGLS = 2-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-11]	Hyperplasia	Atypical, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 4-12]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 737

TRT#: 8

SEX: Female

DAY ON TEST: 387

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Fatty, Minimal
[Degeneration TGLS = 2-4]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-11+12]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 738

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 739

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 600

HISTO: 23593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 4-1]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
[Hemorrhage TGLS = 1-3]			
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 5-7]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 7-14]			
[Fibroadenoma TGLS = 3-12+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stom Gland			
Note: Gross "nodule" was normal fold in mucosa (NCL).			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 740

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Mixed Cell Focus	
[Angiectasis TGLS = 3-4]			
[Mixed Cell Focus TGLS = 2,4-4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Lobular, Mild
[Fibroadenoma TGLS = 1,5,6-11+14+13]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 741

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 604

HISTO: 23595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Histiocytic Sarcoma	
* Heart		Histiocytic Sarcoma	
* Kidney		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 4-4]			
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Hemorrhage	Minimal
[Hemorrhage TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-14]			
Mesentery		Histiocytic Sarcoma	
* Ovary		Histiocytic Sarcoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Subcut Tiss	Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2,3-13+12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Histiocytic Sarcoma	

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 742

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 23596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 8-12]			
* Lung	Artery, Mediastinum	Inflammation	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-7]			
* Lymph Node, Mediastinal		Hemorrhage	Moderate
[Hemorrhage TGLS = 2-2]			
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Minimal
[Fibroadenoma TGLS = 5,6-13+11+14]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 7-15]			
* Pancreas	Artery	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 742

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23596

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 3-16+17]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 743

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Moderate
[Fibroadenoma TGLS = 1,2-11+12+13]			
[Galactocele TGLS = 2-13]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-14]			
* Ovary		Cyst	Mild
[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 744

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 733

HISTO: 23598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Mixed Cell Focus	
		Fibroadenoma	Multiple
* Mammary Gland			
[Fibroadenoma TGLS = 2,3-12+11+13]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 745

TRT#: 8

SEX: Female

DAY ON TEST: 660

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Angiectasis	Moderate
[Angiectasis TGLS = 4-11]		Degeneration	Fatty, Moderate
[Degeneration TGLS = 3-4+11]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Necrosis	Mild
[Necrosis TGLS = 7-12]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild
[Carcinoma TGLS = 1-2]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 746	TRT#: 8	SEX: Female	DAY ON TEST: 734
	DOSE: 375 PPM	DISP: Terminal Sacrifice	HISTO: 23600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Moderate
[Fibroadenoma TGLS = 2,3,6-13+14+16]			
[Galactocele TGLS = 6-16]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 4-11+15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 747

TRT#: 8

SEX: Female

DAY ON TEST: 492

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO: 23601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Liver |
| * Lung | * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|------------------------|---------------|----------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-8] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitromethane
CAS Number: 75-52-5

Date Report Requested: 10/20/2014
Time Report Requested: 19:01:17
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 748

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 5-4]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Atypical, Minimal
[Carcinoma TGLS = 2-11]			
[Fibroadenoma TGLS = 4-12]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 749

TRT#: 8

DOSE: 375 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 594

HISTO: 23603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Mesenchymal Tumor Malignant	
		Nephropathy	Mild
[Mesenchymal Tumor Malignant TGLS = 4-11,12]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: Grossly pale liver was probably due to anemia secondary to the neoplasms in kidney.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-15+16]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Mineralization	Mild
[Mineralization TGLS = 7-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05200-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitromethane

CAS Number: 75-52-5

Date Report Requested: 10/20/2014

Time Report Requested: 19:01:17

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 750

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 375 PPM

DISP: Terminal Sacrifice

HISTO: 23604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE