

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

C Number: C88007B
Lock Date: 03/20/1998
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 10/26/1999

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0.0%	DISP: Terminal Sacrifice	HISTO: 9700441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Seminal Vesicle		Atrophy	Minimal
* Skin		Fibrosarcoma	
[Fibrosarcoma TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mineralization	Minimal
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0.0%	DISP: Terminal Sacrifice	HISTO: 9700442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9700443
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLS = 2-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 589
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9700444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
[Hematopoietic Cell Proliferation TGLS = 3-3]			
* Testes	Interstitial Cell	Adenoma	
		Degeneration	Mild
	Interstitial Cell	Hyperplasia	Marked
[Degeneration TGLS = 2-10]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 605
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9700445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
Note: NODULAR			
* Epididymis		Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Minimal
		Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 3-6, 7]			
[Hepatodiaphragmatic Nodule TGLS = 8-7]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
[Hyperplasia TGLS = 7-14]			
Lymph Node	Pancreatic	Ectasia	Marked
[Ectasia TGLS = 6-14]			
* Lymph Node, Mesenteric		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Mild
Note: LESION PRESENT ON SLIDE 14			
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
[Hematopoietic Cell Proliferation TGLS = 4-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 605 HISTO: 9700445
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Edema Hyperplasia Ulcer Leiomyosarcoma	Mild Moderate Moderate
* Stomach, Glandular [Leiomyosarcoma TGLS = 5-12, 13]			
* Testes	Interstit Cell	Adenoma Degeneration Mineralization	Moderate Mild
[Degeneration TGLS = 1-10] [Mineralization TGLS = 1-10]			

PRIMARY CAUSE OF DEATH - Stomach, Glandular Leiomyosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 648 HISTO: 9700446
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Liver	Bile Duct	Nephropathy	Minimal
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6, 7]	
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Inflammation	Chronic Active, Moderate
		[Inflammation TGLS = 5-12]	
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
		[Leukemia Mononuclear TGLS = 3-3]	
		[Necrosis TGLS = 4-3]	
* Stomach, Forestomach		Ulcer	Moderate
* Stomach, Glandular		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mineralization	Mild
		[Adenoma TGLS = 1-10]	
		[Mineralization TGLS = 1-10]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 648
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9700446

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium nitrite
 CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
 Time Report Requested: 12:56:22
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 7	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9700447
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone	Maxilla	Osteosarcoma	
[Osteosarcoma TGLS = 4-13]			
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mandibular		Hyperplasia	Moderate
[Hyperplasia TGLS = 5-8]			
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 6-9]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Seminal Vesicle		Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9700447
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-10]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Natural Death	DAY ON TEST: 486 HISTO: 9700448
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear
* Adrenal Medulla		Leukemia Mononuclear
* Brain		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 8-8]		
* Heart		Leukemia Mononuclear
* Kidney		Leukemia Mononuclear
* Liver		Hepatodiaphragmatic Nodule
		Leukemia Mononuclear
[Hepatodiaphragmatic Nodule TGLS = 9-6]		
[Leukemia Mononuclear TGLS = 5-6, 7]		
* Lung		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 7-4, 5]		
Mesentery	Fat	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 4-13]		
* Skin		Keratoacanthoma
[Keratoacanthoma TGLS = 6-14]		
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 2-3; 3-12]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 1-10]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9700449
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: TGL #4-NCL [Eosinophilic Focus TGLS = 3-12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland [Adenoma TGLS = 2-9]	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-10]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 529

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700450

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	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6, 7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar, Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13; 7-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Moderate
		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 529

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700450

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 3-10]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11

TRT#: 1
DOSE: 0.0%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9700451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[Mixed Cell Focus TGLS = 2-12]			
[Vacuolization Cytoplasmic TGLS = 2-12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 636

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Renal Tubule	Leukemia Mononuclear	
		Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 6-3]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6, 7]		
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Inflammation	Chronic Active, Mild
	Fat	Leukemia Mononuclear	
	[Inflammation TGLS = 3-13]		
	[Leukemia Mononuclear TGLS = 3-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-9]		
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-12]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 1	SEX: Male	DAY ON TEST: 636
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9700453

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma Mineralization	Minimal
	[Adenoma TGLS = 1-10] [Mineralization TGLS = 1-10]		
* Urin Bladder			
Note: TGL #2-NCL			

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

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 724

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 5-12]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Skin		Basal Cell Carcinoma	
		Lipoma	
	[Basal Cell Carcinoma TGLS = 1-12]		
	[Lipoma TGLS = 2-13]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
	[Hematopoietic Cell Proliferation TGLS = 4-3]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-10]		

PRIMARY CAUSE OF DEATH

- Skin Basal Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 400

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 680

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-4]			
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 523

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 2-6, 7]		
* Lung		Inflammation	Chronic Active, Minimal
* Preputial Gland		Carcinoma	
	[Carcinoma TGLS = 1-12]		
* Spleen		Hyperplasia	Minimal
	[Hyperplasia TGLS = 3-3]	Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* 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	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 2-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20	TRT#: 1	SEX: Male	DAY ON TEST: 589
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9700460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Bilateral	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Intestine Large, Cecum		Congestion	Minimal
	[Congestion TGLS = 4-7]		
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	[Vacuolization Cytoplasmic TGLS = 1-6, 7]	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Congestion	Moderate
	[Congestion TGLS = 3-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach		Erosion	Mild
	Epithelium	Hyperplasia	Mild
	Note: SLIDE #12 - NCL; BUT LESION FOUND ON SLIDE #6 FOR TGL #5		
	[Hyperplasia TGLS = 5-6]		
* Stomach, Glandular		Erosion	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 610

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Heart		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-12]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Pancreas		Leukemia Mononuclear	
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 610
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9700461

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 6-13]			

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

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Hyperplasia TGLS = 2-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Moderate
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-12]			
[Eosinophilic Focus TGLS = 3-12]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hemorrhage	Mild
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Bronchus	Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 3-9]			
* Seminal Vesicle		Atrophy	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700464

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 624

DOSE: 0.0%

DISP: Natural Death

HISTO: 9700465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6, 7]		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 7-6, 7]			
* Lung		Leukemia Mononuclear	
Lymph Node		Leukemia Mononuclear	
Note: MEDIASTINAL LYMPH NODES AFFECTED			
[Leukemia Mononuclear TGLS = 8-4]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Preputial Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3; 4-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Natural Death	DAY ON TEST: 624 HISTO: 9700465
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Thrombosis	Minimal
		Ulcer	Mild
* Testes [Adenoma TGLS = 5-10]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 666

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|---|-----------|----------------------|----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Mild |
| Blood Vessel | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Minimal |
| | | Pigmentation | Minimal |
| [Pigmentation TGLS = 4-3] | | | |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-6, 7] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = (PANCREATIC) 5-13; (MEDIASTINAL) 7-15] | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| Mesentery | Fat | Inflammation | Chronic Active, Mild |
| [Inflammation TGLS = 8-12] | | | |
| * Prostate | | Leukemia Mononuclear | |
| * Seminal Vesicle | | Atrophy | Minimal |
| | | Leukemia Mononuclear | |
| * Skin | | Hyperplasia | Basal Cell, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26	TRT#: 1	SEX: Male	DAY ON TEST: 666
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9700466

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-10]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Carcinoma	
	[Carcinoma TGLS = 1-12]		
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
	[Hematopoietic Cell Proliferation TGLS = 3-3]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10]	Mineralization	Mild
	[Mineralization TGLS = 2-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Degeneration TGLS = 4-12]			
[Hepatodiaphragmatic Nodule TGLS = 5-12]			
[Mixed Cell Focus TGLS = 3-7]			
* Lung		Inflammation	Chronic Active, Minimal
* Preputial Gland		Cyst	Mild
[Cyst TGLS = 1-11]			
* Seminal Vesicle		Atrophy	Minimal
* Testes	Interstitial Cell	Adenoma	
		Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28

TRT#: 1
DOSE: 0.0%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9700468

ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell

Hyperplasia
Mineralization

Minimal
Mild

[Degeneration TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3; 3-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700469

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-12]			
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 489

DOSE: 0.0%

DISP: Natural Death

HISTO: 9700472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Intestine Small, Duodenum	* Mammary Gland	* Parathyroid Gland
-----------------------------	-----------------	---------------------

OBSERVATIONS

* Bone Marrow	Myelofibrosis	Moderate
* Heart	Inflammation	Chronic Active, Moderate
	Schwannoma Malignant	
	Thrombosis	Moderate
[Inflammation TGLS = 1-7]		
[Thrombosis TGLS = 1-7]		
* Intestine Large, Colon	Schwannoma Malignant	Metastatic (Heart)
* Kidney	Infarct	Mild
	Mineralization	Minimal
* Liver	Necrosis	Mild
	Regeneration	Moderate
	Schwannoma Malignant	Metastatic (Heart)
* Lung	Schwannoma Malignant	Metastatic (Heart)
* Preputial Gland	Inflammation	Chronic Active, Minimal
* Stomach, Forestomach	Ulcer	Minimal
* Stomach, Glandular	Schwannoma Malignant	Metastatic (Heart)
* Testes	Interstitial Cell	Mild
	Hyperplasia	

PRIMARY CAUSE OF DEATH

- Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mandibular	* 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 Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 1-9]			
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
	Fat	Mineralization	Minimal
[Inflammation TGLS = 3-12]			
[Mineralization TGLS = 3-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34	TRT#: 1	SEX: Male	DAY ON TEST: 252
	DOSE: 0.0%	DISP: Natural Death	HISTO: 9700474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fibrosis	Mild
		Hepatodiaphragmatic Nodule	
		Necrosis	Mild
	[Hepatodiaphragmatic Nodule TGLS = 2-7]		
	[Necrosis TGLS = 1-12]		
* Lung		Inflammation	Chronic Active, Mild
* Nose		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 631

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
Oral Mucosa	Pharyngeal	Cyst	Moderate
[Cyst TGLS = 2-12]			
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Erosion	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked
[Adenoma TGLS = 1-10]			
[Hyperplasia TGLS = 1-10]			
* Urinary Bladder	Transit Epithe	Papilloma	

PRIMARY CAUSE OF DEATH

- Oral Mucosa Pharyngeal Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Pigmentation	Lipofuscin, Minimal
* Lymph Node, Mesenteric			
Note: ALSO EDEMA PRESENT			
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Marked
* Preputial Gland		Cyst	Mild
[Cyst TGLS = 1-11]			
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
		Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Lung		Inflammation	Chronic Active, Minimal
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic Active, Minimal
[Cyst TGLS = 2-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
Note: APPEARS TO BE DEFORMITY ARISING FROM THE CAPSULE			
[Accessory Spleen TGLS = 3-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 573

DOSE: 0.0%

DISP: Natural Death

HISTO: 9700480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Skin

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear
* Liver		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 4-6, 7]		
* Lymph Node, Mandibular		Leukemia Mononuclear
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 3-3]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-10]		

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 558

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-11]			
* Heart		Inflammation	Chronic Active, Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 7-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
[Pigmentation TGLS = 8-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Interstitial Cell	Adenoma	
		Degeneration	Mild
	Interstitial Cell	Hyperplasia	Mild
		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 558

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700481

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 6-10]

[Mesothelioma Malignant TGLS = 3-10]

PRIMARY CAUSE OF DEATH

- Mesentery Fat Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 5-7]		
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	[Leukemia Mononuclear TGLS = 3-6, 7]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
	[Atrophy TGLS = 4-10]		
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10; 2-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 683

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-3]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 3-6, 7]			
* Lung		Carcinoma	Metastatic (Thyroid Gland)
Lymph Node		Carcinoma	Metastatic (Thyroid Gland)
Note: LEFT CERVICAL AFFECTED			
[Carcinoma TGLS = 2-13]			
* Seminal Vesicle		Atrophy	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 620

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea		

MISSING

* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Minimal
	[Pheochromocytoma Benign TGLS = 4-9]		
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 2-3]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-10]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 620

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700484

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 2-7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hyperplasia TGLS = 3-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Congestion	Mild
		Leukemia Mononuclear	
[Congestion TGLS = 2-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0.0%	DISP: Terminal Sacrifice	HISTO: 9700486

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
[Mixed Cell Focus TGLS = 4-7]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Interstitial Cell	Adenoma	
		Degeneration	Moderate
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-9]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Skin	Epidermis	Cyst	Marked
	[Cyst TGLS = 1-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Inflammation	Chronic Active, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-12]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
		Mesothelioma Malignant	
Skeletal Muscle		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-12]			
* Spleen		Congestion	Minimal
		Mesothelioma Malignant	
[Congestion TGLS = 4-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700489

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

Mesothelioma Malignant

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Seminal Vesicle		Atrophy	Minimal
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 691

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* 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	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Vacuolization Cytoplasmic TGLS = 3-9]		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Marked
Note: BILATERAL			
* Heart		Thrombosis	Mild
* Kidney [Nephropathy TGLS = 2-3]		Nephropathy	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland [Inflammation TGLS = 5-11]		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes [Adenoma TGLS = 1-10]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Adrenal Cortex Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-12]			
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: TGL #3-NCL			
[Clear Cell Focus TGLS = 2-6]			
[Eosinophilic Focus TGLS = 4-7]			
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Mild
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 481

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-9]			
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule Necrosis	Mild
[Hepatodiaphragmatic Nodule TGLS = 1-12]			
[Necrosis TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Inflammation	Chronic Active, Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
[Vacuolization Cytoplasmic TGLS = 2-6, 7]			
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-7]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Hyperplasia	Histiocytic, Marked
[Hyperplasia TGLS = 4-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-13; 4-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 2-10; 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 415

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| Eye | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

AUTO PRECLUDES DIAG.

- | | |
|--------------------------|----------------------------|
| * Intestine Small, Ileum | * Intestine Small, Jejunum |
|--------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|------------------|----------------|---------------------------|----------|
| Eye | | | |
| Note: TGL #1-NCL | | | |
| * Liver | | Basophilic Focus | |
| | | Vacuolization Cytoplasmic | Mild |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Testes | Interstit Cell | Hyperplasia | Moderate |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 641

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-11]			
* Intestine Large, Colon		Mesothelioma Malignant	
* Intestine Small, Duodenum		Mesothelioma Malignant	
* Intestine Small, Ileum		Mesothelioma Malignant	
* Kidney		Mesothelioma Malignant	
		Nephropathy	Minimal
		Pigmentation	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-12]			
* Prostate		Mesothelioma Malignant	
* Seminal Vesicle		Atrophy	Minimal
		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 641

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700500

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-10]

* Urinary Bladder

Mesothelioma Malignant

Mesothelioma Malignant

PRIMARY CAUSE OF DEATH

- Mesentery Fat Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
Note: MORE CYST-LIKE IN NATURE			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-4, 5]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 480

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-3]			
* Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mesenteric		Pigmentation	Lipofuscin, Mild
* Mammary Gland		Hyperplasia	Minimal
* Salivary Glands		Atrophy	Moderate
		Cyst	Marked
[Cyst TGLS = 1-12]			
* Skin		Squamous Cell Carcinoma	
Note: INVASIVE, INVOLVING MANDIBLE			
[Squamous Cell Carcinoma TGLS = 2-13]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes		Degeneration	Minimal
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Skin Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Mild
		Inflammation	Granulomatous, Marked
[Congestion TGLS = 2-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Mild
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Epididymis
* Esophagus	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Mild
* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
* Brain		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear Fibroadenoma	Minimal
* Mammary Gland [Fibroadenoma TGLS = 4-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen [Leukemia Mononuclear TGLS = 3-3] [Necrosis TGLS = 5-3]		Leukemia Mononuclear Necrosis	Mild
* Stomach, Forestomach [Hyperplasia TGLS = 6-6, 12] [Inflammation TGLS = 6-6, 12]	Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic Active, Mild Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64	TRT#: 3 DOSE: 0.075%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 9700504
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Ulcer TGLS = 7-12]		Ulcer	Mild
* Testes [Adenoma TGLS = 1-10] [Degeneration TGLS = 2-10]	Bilateral, Interstit Cell	Adenoma Degeneration	Mild
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 693

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6, 7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 6-13]			
* Pancreas	Acinus	Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 5-9]			
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 693

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700505

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66	TRT#: 3	SEX: Male	DAY ON TEST: 582
	DOSE: 0.075%	DISP: Natural Death	HISTO: 9700506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver	Bile Duct	Hyperplasia	Minimal
		Necrosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Minimal
	[Adenoma TGLS = 1-10]		
	[Degeneration TGLS = 2-10]		

PRIMARY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Mild
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 2-10]			
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-4]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 4-12]		
	[Leukemia Mononuclear TGLS = 3-6, 7, 12]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Stomach, Forestomach		Hyperkeratosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6, 7]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 552

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6, 7]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Leukemia Mononuclear	
* Skin		Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 6-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 552

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700511

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-10]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Heart		Inflammation	Chronic Active, Minimal
* Intestine Large, Colon		Carcinoma	
[Carcinoma TGLS = 3-13]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pancreas	Acinus	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Skin		Fibroma	
[Fibroma TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Epididymis		Mesothelioma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Degeneration TGLS = 4-7]			
[Hepatodiaphragmatic Nodule TGLS = 3-13]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-12]			
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 0.075%	DISP: Terminal Sacrifice	HISTO: 9700514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Congestion	Moderate
[Congestion TGLS = 2-6]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 0.075%	DISP: Terminal Sacrifice	HISTO: 9700515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
		Hemorrhage	Mild
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Galactocele	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Testes	Interstit Cell	Hyperplasia	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 6-13]		
	[Leukemia Mononuclear TGLS = 4-6, 7]		
* Lung		Leukemia Mononuclear	
		Metaplasia	Osseous, Mild
	Note: SMALL FOCUS OF BONE/MINERAL FORMATION		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-12]		
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
	[Atrophy TGLS = 5-10]		
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 3-3]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77	TRT#: 3 DOSE: 0.075%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9700517
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]		Degeneration	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Sarcoma	
[Sarcoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Parasite Metazoan	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Congestion	Minimal
		Leukemia Mononuclear	
[Congestion TGLS = 2-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 5-7]			
[Eosinophilic Focus TGLS = 4-6]			
* Pancreas		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 3-10]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6, 7]		
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Cyst	Moderate
		Hyperplasia	Moderate
* Seminal Vesicle		Atrophy	Mild
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose		Inflammation	Suppurative, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Adenoma	
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 2-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
		[Fibroadenoma TGLS = 3-12]	
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Fibrosarcoma	
		[Fibrosarcoma TGLS = 4-12]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Minimal
		[Adenoma TGLS = 1-10]	
		[Degeneration TGLS = 2-10]	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 601

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-12]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Angiectasis	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 680

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Brain		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-12]			
Harderian Gland		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 6-12]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Histiocytic Sarcoma	
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Histiocytic Sarcoma	
Lymph Node	Deep Cervical	Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 5-13]			
* Lymph Node, Mandibular		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 3-8]			
* Nose		Inflammation	Granulomatous, Marked
* Seminal Vesicle		Atrophy	Minimal
* Skin		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87	TRT#: 3	SEX: Male	DAY ON TEST: 680
	DOSE: 0.075%	DISP: Moribund Sacrifice	HISTO: 9700527

ORGAN AND ACCOUNTABLE SITE STATUS

[Keratoacanthoma TGLS = 1-13]			
* Testes	Bilateral, Interstit Cell	Adenoma Degeneration Mineralization	Mild Mild
[Adenoma TGLS = 4-10]			
[Mineralization TGLS = 4-10]			
* Thymus		Histiocytic Sarcoma	
PRIMARY CAUSE OF DEATH	- Brain	Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Hydrocephalus	Mild
[Hydrocephalus TGLS = 3-8]			
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Moderate
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Testes	Interstitial Cell	Adenoma	
		Degeneration	Mild
	Interstitial Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium nitrite
 CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
 Time Report Requested: 12:56:22
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Hyperplasia	Moderate
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Galactocele	Mild
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Mild
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700532

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Cyst	Marked
* Mammary Gland			
[Cyst TGLS = 1-12]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-12]			
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
[Angiectasis TGLS = 4-9]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Skin		Trichoepithelioma	
[Trichoepithelioma TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 0.075%	DISP: Terminal Sacrifice	HISTO: 9700535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
* Pancreas	Acinus	Adenocarcinoma	
	Acinus	Atrophy	Mild
	Acinus	Carcinoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	Follicle	Cyst	Mild
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 2-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6, 7]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-5]			
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Congestion	Mild
	Capsule	Fibrosis	Minimal
		Leukemia Mononuclear	
[Congestion TGLS = 2-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700538

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 669

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 6-8]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Regeneration	Moderate
[Regeneration TGLS = 4-6, 7, 12]			
* Pancreas	Acinus	Adenocarcinoma	
	Acinus	Atrophy	Minimal
* Pituitary Gland		Hemorrhage	Mild
[Hemorrhage TGLS = 5-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Mild
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 2-10]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6, 7]		
* Mammary Gland		Hyperplasia	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-9]		
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 2-11]		
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-3]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-10]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
		Carcinoma	
* Preputial Gland			
[Carcinoma TGLS = 2-11]			
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 3-11]			
* Seminal Vesicle		Atrophy	Mild
* Skin		Fibroma	Multiple
[Fibroma TGLS = 1-12; 2-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-10]		Mesothelioma Malignant	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 2-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Mild
	[Adenoma TGLS = 1-10]		
	[Degeneration TGLS = 1-10]		
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700543

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 1-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
[Hyperplasia TGLS = 3-12]			
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Mild
* Lymph Node, Mandibular		Hyperplasia	Moderate
* Mammary Gland		Fibroadenoma	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-3]	
* Stomach, Glandular		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-10]	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Moderate
[Adenoma TGLS = 1-9]			
[Cyst TGLS = 1-9]			
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Mild
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium nitrite
 CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
 Time Report Requested: 12:56:22
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 107

TRT#: 5
 DOSE: 0.15%

SEX: Male
 DISP: Terminal Sacrifice

DAY ON TEST: 729
 HISTO: 9700547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: EOSINOPHILIC FOCUS HAS AREAS OF BLOOD-FILLED CYSTS WITHIN [Hepatocellular Adenoma TGLS = 3-12]			
* Mammary Gland		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Seminal Vesicle		Atrophy	Mild
* Testes	Interstit Cell	Adenoma	
		Degeneration	Moderate
	Interstit Cell	Hyperplasia	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 582

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mesenteric		Ectasia	Mild
[Ectasia TGLS = 5-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Ulcer	Marked
* Stomach, Glandular		Erosion	Moderate
* Testes	Interstitial Cell	Adenoma	
		Degeneration	Minimal
	Interstitial Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 4-10]			
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Minimal
[Carcinoma TGLS = 2-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 5
DOSE: 0.15%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 582
HISTO: 9700548

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 3-13]			
[Clear Cell Focus TGLS = 4-12]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	Follicular Cel	Adenoma	
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Skin		Acanthosis	Moderate
[Acanthosis TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 2-5]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstitial Cell	Adenoma	
		Degeneration	Mild
	Interstitial Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
		Degeneration	Mild
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 724

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3; 4-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 4-12]			
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node		Ectasia	Minimal
Note: AXILLARY AFFECTED			
[Ectasia TGLS = 5-12]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
[Fibrosis TGLS = 3-3]			
[Hematopoietic Cell Proliferation TGLS = 3-3, 12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 5
DOSE: 0.15%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9700556

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

* Thyroid Gland

[Carcinoma TGLS = 6-9]

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Intestine Large, Rectum	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Thyroid Gland			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
		Hyperplasia	Mild
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Esophagus		Leukemia Mononuclear	
* Heart		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	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar, Mediastinal, Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-12; 4-13; 6-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Mammary Gland		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5
DOSE: 0.15%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 695
HISTO: 9700557

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Stomach, Forestomach		Hyperkeratosis	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thymus		Leukemia Mononuclear	
* Trachea		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
		[Angiectasis TGLS = 4-9]	
* Seminal Vesicle		Atrophy	Mild
		[Atrophy TGLS = 3-10; 3-12]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-10; 2-10]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 2-7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Congestion	Moderate
[Congestion TGLS = 3-6]			
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 5
DOSE: 0.15%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9700561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Cyst	Mild
		Nephropathy	Minimal
[Cyst TGLS = 3-12]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia Inflammation	Minimal Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia Inflammation	Minimal Chronic Active, Minimal
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 593

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-11]			
Eye		Hemorrhage	Marked
	Retrobulbar	Inflammation	Chronic Active, Mild
[Hemorrhage TGLS = 1-12]			
[Inflammation TGLS = 1-12]			
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
Oral Mucosa	Pharyngeal	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH - Oral Mucosa Pharyngeal Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 551

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Seminal Vesicle		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 505

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Hemorrhage	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 1-11]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 4-7]			
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
Peritoneum		Inflammation	Chronic Active, Mild
Note: NODULE APPEARS TO BE FAT LESION ATTACHED TO VAGINAL TUNICA RATHER THAN TESTICULAR LESION			
[Inflammation TGLS = 3-12]			
* Seminal Vesicle		Atrophy	Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Stomach, Glandular		Carcinoid Tumor Benign	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mineralization	Mild
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-6; 2-7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Moderate
		Cyst	Moderate
* Skin		Hyperkeratosis	Minimal
[Hyperkeratosis TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Moderate
	Interstitium	Fibrosis	Minimal
	Alveolar Epith	Hyperplasia	Mild
[Congestion TGLS = 2-4, 5]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-9]			
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
Mesentery	Fat	Inflammation	Chronic Active, Minimal
	Fat	Necrosis	Mild
[Inflammation TGLS = 3-12]			
[Necrosis TGLS = 3-12]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-11]			
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 3-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 4-12]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 0.15%

DISP: Natural Death

HISTO: 9700576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Necrosis	Mild
[Necrosis TGLS = 3-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach		Hyperkeratosis	Minimal
		Mineralization	Mild
[Mineralization TGLS = 4-12]			
* Testes	Interstitial Cell	Adenoma	
		Degeneration	Mild
	Interstitial Cell	Hyperplasia	Marked
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 400

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Sarcoma	
[Sarcoma TGLS = 1-12]			
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Skin Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 3-9]		
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic Active, Minimal
	[Cyst TGLS = 4-11]		
* Seminal Vesicle		Atrophy	Minimal
* Skin		Fibroma	
	[Fibroma TGLS = 1-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700579

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 716

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Note: TGL #4-NCL			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 5-4]			
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Pigmentation	Hemosiderin, Minimal
[Pigmentation TGLS = 6-9]			
* Seminal Vesicle		Atrophy	Minimal
* Skin		Fibroma	
[Fibroma TGLS = 1-12]			
* Testes	Interstit Cell	Adenoma	
		Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 5
DOSE: 0.15%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 716
HISTO: 9700580

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]
[Degeneration TGLS = 2-10]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Skin Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Angiectasis TGLS = 5-7]			
[Basophilic Focus TGLS = 3-12]			
[Clear Cell Focus TGLS = 6-13]			
[Hepatodiaphragmatic Nodule TGLS = 2-6; 4-13]			
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Angiectasis TGLS = 5-12]			
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Spleen			
Note: TGL# 3-NCL			
* Testes	Interstit Cell	Adenoma	
		Degeneration	Mild
	Interstit Cell	Hyperplasia	Marked
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 2-10]			
[Hyperplasia TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5
DOSE: 0.15%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9700582

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland
* Urinary Bladder

C Cell

Adenoma
Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 694

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Minimal
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 4-6, 7]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Minimal
* Skin		Fibroma	
[Fibroma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Stomach, Forestomach		Edema Ulcer	Moderate Moderate
[Edema TGLS = 6-6, 7]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 694

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700583

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 620

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Kidney	* Lung
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
		[Leukemia Mononuclear TGLS = 2-6, 7]	
		[Vacuolization Cytoplasmic TGLS = 2-6,7]	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-12]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-3]	
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Erosion	Moderate
		[Erosion TGLS = 5-7, 12]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Minimal
		[Adenoma TGLS = 1-10]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5
DOSE: 0.15%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 620
HISTO: 9700584

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 0.15%	DISP: Terminal Sacrifice	HISTO: 9700585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Heart		Inflammation	Chronic Active, Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 3-13]		
* Pancreas	Acinus	Hyperplasia	Moderate
* Seminal Vesicle		Atrophy	Minimal
* Skin		Fibroma	
	[Fibroma TGLS = 1-12]		
* Stomach, Forestomach		Hyperkeratosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Carcinoma	
* Mammary Gland			
[Carcinoma TGLS = 3-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Accessory Spleen	
Note: MALFORMATION (INDENTATION) THAT GIVES THE APPEARANCE OF THE START OF A NEW SPLENIC LOBE			
[Accessory Spleen TGLS = 4-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
		Degeneration	Moderate
		Mineralization	Minimal
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5
DOSE: 0.15%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 9700587

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Minimal
* Skin		Fibroma	
[Fibroma TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Keratoacanthoma	
		[Keratoacanthoma TGLS = 1-12]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-10]	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 680

DOSE: 0.15%

DISP: Natural Death

HISTO: 9700590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Cyst	Moderate
		Leukemia Mononuclear	
[Cyst TGLS = 8-12]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal, Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4; 7-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5
DOSE: 0.15%

SEX: Male
DISP: Natural Death

DAY ON TEST: 680
HISTO: 9700590

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-3]

* Stomach, Forestomach

* Testes

* Thymus

* Thyroid Gland

Bilateral, Interstit Cell

Hyperkeratosis

Adenoma

Leukemia Mononuclear

Leukemia Mononuclear

Mild

PRIMARY CAUSE OF DEATH

- Lymph Node Mediastinal Pancreatic Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 523

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: TGL #3-NCL			
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* 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 Medulla		Hyperplasia	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Bronchiole, Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Hyperplasia	Mild
* Lymph Node, Mandibular			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Interstitial Cell	Adenoma	
		Degeneration	Mild
	Interstitial Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Inflammation	Chronic Active, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 5-6]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	
	[Carcinoma TGLS = 1-13]		
* Seminal Vesicle		Atrophy	Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 4-12]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10; 3-10]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Mild
* Skin		Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-12]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
	[Hyperplasia TGLS = 4-7]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10]		
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 3-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-9]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-12]			
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Suppurative, Mild
[Hyperplasia TGLS = 2-11]			
[Inflammation TGLS = 2-11]			
* Seminal Vesicle		Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 0.30%

DISP: Natural Death

HISTO: 9700599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Heart		Inflammation	Chronic Active, Minimal
* Liver	Bile Duct	Hyperplasia Necrosis	Minimal Mild
[Necrosis TGLS = 3-6, 7]			
* Pancreas	Acinus	Atrophy Carcinoma	Minimal
* Preputial Gland			
[Carcinoma TGLS = 1-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma Degeneration	Moderate
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 697

DOSE: 0.30%

DISP: Natural Death

HISTO: 9700601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Kidney
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Islets, Pancreatic	* Pancreas
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OBSERVATIONS

* Liver	Bile Duct	Hyperplasia Necrosis Sarcoma	Minimal Moderate Metastatic (Uncertain Primary Site)
[Necrosis TGLS = 8-6, 7, 16] [Sarcoma TGLS = 9-16]			
Lymph Node	Pancreatic	Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 4-13]			
* Lymph Node, Mesenteric		Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 5-6]			
Skeletal Muscle		Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 7-14]			
* Skin		Fibroma	
[Fibroma TGLS = 1-15]			
* Spleen		Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 2-3; 3-3]			
* Stomach, Forestomach		Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 11-12]			
* Stomach, Glandular		Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 10-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 7
DOSE: 0.30%

SEX: Male
DISP: Natural Death

DAY ON TEST: 697
HISTO: 9700601

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 6-10]

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Liver Sarcoma Uncertain Primary Site

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: TGL #2-NCL			
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Mineralization	Minimal
[Mineralization TGLS = 3-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Cyst	Moderate
		Nephropathy	Mild
[Cyst TGLS = 2-3]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Cyst	Mild
[Cyst TGLS = 3-11]			
* Seminal Vesicle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 710

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8; 2-8]		
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6, 7]	Regeneration	Moderate
	[Regeneration TGLS = 6-7]		
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Cyst	Moderate
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-12]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 4-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 710

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700604

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-9]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-12]			
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach		Hyperkeratosis	Minimal
	Epithelium	Hyperplasia	Mild
[Hyperkeratosis TGLS = 4-7]			
* Stomach, Glandular	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 655

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Cyst	Moderate
[Cyst TGLS = 2-11]			
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167	TRT#: 7	SEX: Male	DAY ON TEST: 638
	DOSE: 0.30%	DISP: Natural Death	HISTO: 9700607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Atrophy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland		Sarcoma	
[Sarcoma TGLS = 1-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Clear Cell Focus TGLS = 3-7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700608

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	[Hyperplasia TGLS = 2-7]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-13]			
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach		Edema	Minimal
	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Ulcer	Mild
Note: TGL #7-NCL			
[Edema TGLS = 6-12]			
[Hyperplasia TGLS = 5-12]			
[Inflammation TGLS = 5-12]			
[Ulcer TGLS = 5-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 0.30%	DISP: Terminal Sacrifice	HISTO: 9700610

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]		Degeneration	Mild
[Degeneration TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6, 7]		
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-9]		
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
	[Hyperplasia TGLS = 5-7]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Clear Cell Focus	
Mesentery	Bile Duct	Hyperplasia	Minimal
[Inflammation TGLS = 3-12]	Fat	Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-7]			
* Testes	Bilateral, Interstit Cell	Adenoma Degeneration	Mild
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700612

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
Eye	Retina	Degeneration	Marked
	Lens Capsule	Mineralization	Mild
	[Degeneration TGLS = 1-12]		
	[Mineralization TGLS = 1-12]		
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
	Note: TGL #3-NCL		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10]		
* Thyroid Gland	C Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Eye	Retina	Degeneration	Moderate
[Degeneration TGLS = 1-12]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
[Clear Cell Focus TGLS = 3-6]			
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 5-7]			
* Testes	Interstitial Cell	Adenoma	
		Degeneration	Mild
	Interstitial Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 698

DOSE: 0.30%

DISP: Natural Death

HISTO: 9700615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6, 7]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 5-13]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Forestomach		Hyperkeratosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mineralization	Mild
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Intestine Large, Cecum

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-9]			
* Seminal Vesicle		Atrophy	Minimal
* Skin		Fibroma	
		Mineralization	Mild
[Fibroma TGLS = 2-12]			
[Mineralization TGLS = 2-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
Note: TGL #4-NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700616

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 636

DOSE: 0.30%

DISP: Natural Death

HISTO: 9700617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 5-6]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Moderate
	Alveolar Epith	Hyperplasia	Moderate
[Congestion TGLS = 4-4, 5]			
* Lymph Node, Mandibular		Congestion	Mild
[Congestion TGLS = 2-8]			
* Pancreas	Acinus	Hyperplasia	Mild
* Skin		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Interstitial Cell	Hyperplasia	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 551

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Histiocytic Sarcoma	
* Kidney		Crystals	Mild
		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 4-12; 5-13]			
* Lung	Interstitialium	Fibrosis	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Prostate			
Note: TGL #6-NCL			
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 1-14; 2-3; 3-14]			
* Testes	Interstit Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 715

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Intestine Large, Colon		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 7-6]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Marked
		Leiomyosarcoma	Metastatic (Intestine Large, Colon)
		Necrosis	Mild
[Hyperplasia TGLS = 3-6, 7]			
[Necrosis TGLS = 5-6]			
* Lung		Leiomyosarcoma	Metastatic (Intestine Large, Colon)
Lymph Node			
Note: MEDIASTINAL LYMPH NODE - TGL #4-NCL			
Mesentery	Fat	Leiomyosarcoma	Metastatic (Intestine Large, Colon)
[Leiomyosarcoma TGLS = 2-12]			
* Pancreas		Leiomyosarcoma	Metastatic (Intestine Large, Colon)
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach		Hyperkeratosis	Minimal
	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 6-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 715

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700619

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 622

DOSE: 0.30%

DISP: Natural Death

HISTO: 9700620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Inflammation	Chronic Active, Mild
* Kidney		Congestion	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
		Congestion	Moderate
		Inflammation	Chronic Active, Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 1-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-9]		
* Spleen		Pigmentation	Hemosiderin, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 605

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Minimal
[Necrosis TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-13]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
			[Hyperplasia TGLS = 2-7]
* Testes	Bilateral, Interstit Cell	Adenoma	
			[Adenoma TGLS = 1-10]
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Cyst	Moderate
		Nephropathy	Mild
[Cyst TGLS = 1-3]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 5-10]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 6-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700623

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10]

[Degeneration TGLS = 4-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 4-13]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Clear Cell Focus TGLS = 5-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Seminal Vesicle		Atrophy	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 3-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 6-7]			
* Testes	Interstit Cell	Adenoma	
		Degeneration	Moderate
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
[Cyst TGLS = 6-3]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
	Pars Distalis	Hyperplasia	Marked
[Adenoma TGLS = 5-9]			
* Seminal Vesicle		Atrophy	Mild
* Skin		Keratoacanthoma	Multiple
[Keratoacanthoma TGLS = 1-12; 2-13]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
Note: TGL #7-NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7
DOSE: 0.30%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 9700625

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10; 4-10]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Pancreas	Acinus	Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 3-7]			
* Testes	Interstitial Cell	Adenoma	
		Degeneration	Marked
		Mineralization	Marked
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 1-12]			
[Mineralization TGLS = 1-12]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 3-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Seminal Vesicle		Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Hyperplasia	Minimal
* Seminal Vesicle		Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
	[Hyperplasia TGLS = 2-7]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 3-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 520

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Seminal Vesicle
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland			
Note: MAMMARY GLAND MAY BE INVOLVED IN NEOPLASM			
* Skin		Fibrosarcoma	
[Fibrosarcoma TGLS = 2-12]			
* Spleen		Fibroma	
[Fibroma TGLS = 1-13]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

- Skin Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Mild
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Hemorrhage	Moderate
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Pancreas	Acinus	Atrophy	Minimal
* Seminal Vesicle		Atrophy	Mild
Note: TGL #2-NCL			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 705

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-11]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 7-7]			
[Inflammation TGLS = 6-6, 7]			
* Lung		Mesothelioma Malignant	
* Lymph Node, Mesenteric		Amyloid Deposition	Mild
Mesentery	Fat	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-6]			
* Pancreas	Acinus	Atrophy	Moderate
* Seminal Vesicle		Atrophy	Mild
		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Moderate
		Mesothelioma Malignant	
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 7
DOSE: 0.30%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 705
HISTO: 9700637

ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 4-10]

* Thyroid Gland

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

- Epididymis Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
		Hyperplasia	Mild
* Lymph Node, Mandibular [Hyperplasia TGLS = 5-8]			
* Mammary Gland		Galactocele	Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Minimal
* Pituitary Gland [Adenoma TGLS = 4-9]	Pars Distalis	Adenoma	
* Skin [Fibroma TGLS = 1-12]		Fibroma	
* Spleen [Fibrosis TGLS = 3-12]		Fibrosis	Moderate
* Stomach, Forestomach [Hyperplasia TGLS = 6-7]	Epithelium	Hyperplasia	Minimal
* Testes [Adenoma TGLS = 2-10]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-6]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Minimal
	[Atrophy TGLS = 3-10]		
* Stomach, Forestomach		Hyperkeratosis	Minimal
	Epithelium	Hyperplasia	Minimal
	[Hyperplasia TGLS = 5-7]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10; 2-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7
DOSE: 0.30%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 9700639

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Cyst	Moderate
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Cyst TGLS = 4-12]			
* Seminal Vesicle		Atrophy	Mild
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 3-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Degeneration	Mild
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 7
DOSE: 0.30%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 9700640

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Kidney		Pigmentation	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6, 7]			
[Hepatodiaphragmatic Nodule TGLS = 4-7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Mild
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pituitary Gland		Hemorrhage	Minimal
[Hemorrhage TGLS = 5-9]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 4-12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Bronchiole, Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pancreas			
Note: TGL #2-NCL			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 5-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9700643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 3-12]		
	[Hepatodiaphragmatic Nodule TGLS = 2-7]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-9]		
* Spleen		Leukemia Mononuclear	
* Thymus		Cyst	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 1-11]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Cyst	Mild
		Hyperplasia	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Minimal
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 648
HISTO: 9700645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Infarct	Mild
		Nephropathy	Minimal
[Infarct TGLS = 5-12]			
* Liver		Leukemia Mononuclear	
		Regeneration	Mild
[Leukemia Mononuclear TGLS = 2,4-6]			
[Regeneration TGLS = 3-11]			
Lymph Node		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Moderate
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 694

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-11]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9700647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 1-6, 7]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 2

SEX: Female

DAY ON TEST: 669

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 2-12]			
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: NODULAR IN NATURE			
[Hyperplasia TGLS = 3-9]			
* Stomach, Glandular		Mineralization	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 567
HISTO: 9700650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Moderate
* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 4-11]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-10]			
* Heart		Inflammation	Chronic Active, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6, 7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Ulcer	Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211	TRT#: 2	SEX: Female	DAY ON TEST: 511
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9700651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Liver		Basophilic Focus	
* Skin		Hemangiopericytoma	
	[Hemangiopericytoma TGLS = 1-11]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperkeratosis	Minimal
	Epithelium	Hyperplasia	Mild
		Ulcer	Moderate

PRIMARY CAUSE OF DEATH - Skin Hemangiopericytoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 714
HISTO: 9700652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Pigmentation	Moderate
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 1-6, 7; 2-6, 7]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Stomach, Forestomach		Erosion	Mild
	Epithelium	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Natural Death

DAY ON TEST: 601
HISTO: 9700653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
		Necrosis	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
[Angiectasis TGLS = 1-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Moderate

PRIMARY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Minimal
* Kidney			
Note: TGL #3-NCL			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-13]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 6-12]			
* Ovary	Periovarn Tiss	Cyst	Mild
[Cyst TGLS = 2-10]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-9]			
* Spleen		Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9700654

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-3]

* Urinary Bladder

Leukemia Mononuclear

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Natural Death

DAY ON TEST: 548
HISTO: 9700655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Angiectasis	Minimal
	Hemorrhage	Mild
* Liver	Basophilic Focus	
[Basophilic Focus TGLS = 3-11]		
* Spleen	Vacuolization Cytoplasmic	Mild
* Uterus	Adenocarcinoma	
[Adenocarcinoma TGLS = 2-12]		

PRIMARY CAUSE OF DEATH

- Uterus Adenocarcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Cyst	Mild
		Hyperplasia	Minimal
[Hyperplasia TGLS = 4-10]			
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 6-6, 7, 13]			
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11; 2-12]			
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9700656

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus
[Polyp Stromal TGLS = 5-10]

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 217

TRT#: 2

DOSE: 0.0%

SEX: Female

DISP: Natural Death

DAY ON TEST: 547

HISTO: 9700657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland			
Note: TISSUE PROBABLY INCORPORATED INTO MAMMARY GLAND MASS			
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland			
Note: TGL #3-NCL			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 9700658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-13]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Adenoma	
		Carcinoma	
		Galactocele	Mild
[Adenoma TGLS = 2-12]			
[Carcinoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Inflammation	Chronic Active, Minimal
* Uterus		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 219

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gl			
Note: TGL #2-NCL			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 662

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Mild
[Fibroadenoma TGLS = 1-10; 3-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-7]			
* Lymph Node, Mandibular		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2,3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 2-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Galactocele	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 1-12]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 4-6; 5-11]			
[Eosinophilic Focus TGLS = 6-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Skin		Trichoepithelioma	
[Trichoepithelioma TGLS = 3-11]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Necrosis	Mild
[Basophilic Focus TGLS = 5-6, 7]			
[Mixed Cell Focus TGLS = 4-7]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 596

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Minimal
	[Leukemia Mononuclear TGLS = 1-6, 7]	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 513

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Atrophy	Minimal
[Atrophy TGLS = 8-10]			
* Kidney		Mineralization	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6, 7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-11]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Saliv Glands			
Note: TGL #6-NCL			
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 1-11]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227	TRT#: 2	SEX: Female	DAY ON TEST: 513
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9700667

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-3]

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Fibrosis	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9700668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Clitoral Gland		Adenoma	
		Cyst	Mild
	[Cyst TGLS = 2-10; 3-10]	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 4-6, 7]	Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]	Galactocele	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Minimal
	[Carcinoma TGLS = 5-9]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hypertrophy	Mild
* Clitoral Gland		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 1-6, 7]			
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Natural Death

DAY ON TEST: 644
HISTO: 9700671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 661
HISTO: 9700672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	[Necrosis TGLS = 2-3]	Necrosis	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Marked
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-9]	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 233

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9700673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Adenoma	
		Cyst	Mild
	[Adenoma TGLS = 1-10]		
	[Cyst TGLS = 1-10]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 2-6, 7]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Metaplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* 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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Moderate
* Clitoral Gland		Cyst	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 2-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Pigmentation	Mild
Note: TGL#1-NCL			
* Pituitary Gland		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 693

DOSE: 0.0%

DISP: Natural Death

HISTO: 9700675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Necrosis	Minimal
* Liver		Basophilic Focus	
		Necrosis	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-12]			
* Mammary Gland			
Note: TGL #3-NCL			
* Uterus	Cervix	Hypertrophy	Moderate
[Hypertrophy TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

- Uterus Cervix Hypertrophy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Angiectasis	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLS = 3-6, 7]		
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 1-11]		
* Ovary		Cyst	Mild
	[Cyst TGLS = 2-10]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Moderate
		Hemorrhage	Moderate
Note: BLOOD-FILLED			
	[Adenoma TGLS = 4-12]		
	[Hemorrhage TGLS = 4-12]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 237

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
		Cyst	Moderate
[Adenoma TGLS = 2-10]			
[Cyst TGLS = 2-10]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 238

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 2-6, 7; 3-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Marked
[Alveolar/Bronchiolar Adenoma TGLS = 1-5]			
[Hyperplasia TGLS = 1-4]			
* Mammary Gland		Adenoma	Multiple
Note: TWO ADENOMAS PRESENT; ONE APPEARS TO BE PAPILLARY-CYSTIC IN NATURE			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 669

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9700679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone		Osteosclerosis	Mild
* Liver		Basophilic Focus	
		Necrosis	Minimal
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Moderate
		[Fibroadenoma TGLS = 3-11; 4-13]	
* Ovary		Cyst	Mild
		[Cyst TGLS = 6-10]	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 2-9]	
* Skin		Squamous Cell Carcinoma	
		[Squamous Cell Carcinoma TGLS = 5-12]	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Adrenal Cortex Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* 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			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 2-6, 7]			
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Galactocele	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus		Adenocarcinoma	
[Adenocarcinoma TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 241

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mesenteric
* Pancreas
* Skin
* Trachea

Blood Vessel
* Clitoral Gland
* Intestine Large, Colon
* Intestine Small, Jejunum
* Mammary Gland
* Parathyroid Gland
* Spleen
* Urinary Bladder

* Bone
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Nose
* Pituitary Gland
* Stomach, Glandular
* Uterus

* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Lymph Node, Mandibular
* Ovary
* Salivary Glands
* Thymus

OBSERVATIONS

* Adrenal Cortex
* Kidney
* Liver

Bile Duct

Angiectasis
Nephropathy
Basophilic Focus
Hyperplasia
Inflammation
Mixed Cell Focus

Mild
Minimal
Minimal
Chronic Active, Minimal

[Basophilic Focus TGLS = 1-6, 7]

* Lung
* Stomach, Forestomach
* Thyroid Gland

Epithelium
C Cell

Inflammation
Hyperplasia
Hyperplasia

Chronic Active, Minimal
Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* 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		Angiectasis	Minimal
		Hypertrophy	Minimal
* Clitoral Gland		Adenoma	
		Hyperplasia	Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6, 7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Moderate
[Cyst TGLS = 2-9]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Inflammation TGLS = 1-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 244

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Natural Death

DAY ON TEST: 729
HISTO: 9700684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Basophilic Focus Hepatodiaphragmatic Nodule Necrosis	Mild
[Basophilic Focus TGLS = 5-6, 7]			
[Hepatodiaphragmatic Nodule TGLS = 6-11]			
[Necrosis TGLS = 5-6, 7]			
* Mammary Gland		Galactocele	Mild
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-10]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-9]			
* Skin		Fibroma	
[Fibroma TGLS = 1-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Marked
[Hydrometra TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 10-9]			
* Clitoral Gland		Adenoma	
		Hyperplasia	Marked
[Adenoma TGLS = 11-10]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 7-6, 7; 8-7]			
[Eosinophilic Focus TGLS = 9-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11, 2-12]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
[Cyst TGLS = 3-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 6-9]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700685

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Adenoma	
		Cyst	Moderate
[Adenoma TGLS = 3-10]			
[Cyst TGLS = 3-10]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 1-6, 7]		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium nitrite
 CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
 Time Report Requested: 12:56:23
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 247

TRT#: 2
 DOSE: 0.0%

SEX: Female
 DISP: Terminal Sacrifice

DAY ON TEST: 732
 HISTO: 9700687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hemorrhage	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Hemorrhage TGLS = 2-6]			
[Inflammation TGLS = 3-6, 7]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactocele	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 9700689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Hypertrophy	Marked
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Heart		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 3-6, 7]			
[Eosinophilic Focus TGLS = 4-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactocele	Mild
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
* Stomach, Glandular		Inflammation	Chronic Active, Minimal
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Inflammation	Chronic Active, Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9700690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6, 7]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
* Ovary	Follicle	Cyst	Moderate
[Cyst TGLS = 2-10]			
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Heart		Inflammation	Chronic Active, Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 3-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 718

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder
* Uterus			

MISSING

* Esophagus	* Heart	* Lymph Node, Mandibular	* Parathyroid Gland
* Salivary Glands	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Esophagus			
Note: CANNIBALIZED			
* Heart			
Note: CANNIBALIZED			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 4-6, 7]			
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Lym Node Mand			
Note: CANNIBALIZED			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Parathyroid Gl			
Note: CANNIBALIZED			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus			
Note: CANNIBALIZED			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 718

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700694

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CANNIBALIZED

* Thyroid G1

Note: CANNIBALIZED

* Trachea

Note: CANNIBALIZED

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 651

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Ovary			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 1-12]			
[Mixed Cell Focus TGLS = 3-13]			
[Vacuolization Cytoplasmic TGLS = 2-7; 4-14]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 6-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 690

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	
* Liver	Hepatodiaphragmatic Nodule	
	Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 3-7]		
[Leukemia Mononuclear TGLS = 2-6]		
* Lung	Leukemia Mononuclear	
* Lymph Node, Mandibular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]		
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 4-11]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]		
* Stomach, Forestomach	Hyperkeratosis	Minimal
* Stomach, Glandular	Erosion	Mild
[Erosion TGLS = 7-12]		
* Thymus	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 3-10]			
* Kidney		Accumulation, Hyaline Droplet	Mild
		Pigmentation	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 4-6, 7; 5-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
Note: TGL #7-NCL			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-12; 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 676

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel		Leukemia Mononuclear	
		Mineralization	Minimal
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
		Mineralization	Mild
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Lung		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
[Ulcer TGLS = 2-7]			
* Stomach, Glandular		Mineralization	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 676

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700699

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: VERY SLIGHT OBSERVABLE EFFECT			
[Basophilic Focus TGLS = 2-6, 7; 5-7]			
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-9]			
* Urinary Bladder		Inflammation	Chronic Active, Minimal
* Uterus		Hemorrhage	Marked
[Hemorrhage TGLS = 1-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 4-10]			
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Adenoma	
		Fibroadenoma	Multiple
[Adenoma TGLS = 5-13]			
[Fibroadenoma TGLS = 1-11; 2-12]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
Note: EXTENSIVE ANGIECTASIS IS FAR MORE PROMINENT			
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|------------------|--------|----------------------------|----------|
| * Adrenal Cortex | | Angiectasis | Minimal |
| | | Hypertrophy | Moderate |
| * Clitoral Gland | | Hyperplasia | Minimal |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 332

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver	Basophilic Focus
* Uterus	Polyp Stromal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Jejunum
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OBSERVATIONS

* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Moderate
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium nitrite
 CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
 Time Report Requested: 12:56:23
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 665

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	Vagina

MISSING

* Nose

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
Eye		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-11]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-3]			
* Liver		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 4-6, 7]			
* Lymph Node, Mandibular		Hyperplasia	Mild
[Hyperplasia TGLS = 6-8]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
Vagina			
Note: TGL #3-NCL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 665

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700706

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267 TRT#: 4 SEX: Female DAY ON TEST: 731
DOSE: 0.075% DISP: Terminal Sacrifice HISTO: 9700707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 2-7]			
[Inflammation TGLS = 1-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 5-6, 7]			
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Moderate
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Uterus		Cyst	Moderate
[Cyst TGLS = 6-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 609

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* 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			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

Blood Vessel		Mineralization	Minimal
* Heart		Mineralization	Minimal
* Kidney		Mineralization	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
Tongue		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-11]			

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 4-6]			
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Moderate
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-11]			
[Inflammation TGLS = 5-6, 7]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-10; 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Stomach, Forestomach		Erosion	Mild
	Epithelium	Hyperplasia	Mild
[Erosion TGLS = 6-7]			
[Hyperplasia TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 480

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Carcinoma	
[Carcinoma TGLS = 3-12]			
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Lung		Carcinoma	Metastatic (Adrenal Cortex)
Lymph Node	Mediastinal	Carcinoma	Metastatic (Adrenal Cortex)
[Carcinoma TGLS = 5-13]			
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-11]			
* Ovary		Granulosa Cell Tumor Benign	
[Granulosa Cell Tumor Benign TGLS = 1-10]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Adrenal Cortex Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Kidney		Pigmentation	Mild
[Pigmentation TGLS = 2-3]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
[Hyperplasia TGLS = 4-6, 7]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 7]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
* Clitoral Gland		Adenoma	
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6, 7]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
[Adenoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 2-10]			
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 4-12]		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Ovary	Periovarn Tiss	Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	Pinna	Melanoma Malignant	
[Melanoma Malignant TGLS = 1-11]			
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
		Hypertrophy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactocele	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	Bilateral, C Cell	Hyperplasia	Mild
* Uterus	Cervix	Carcinoma	
		Hydrometra	Mild
[Carcinoma TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
		Adenoma	
* Clitoral Gland			
[Adenoma TGLS = 1-11]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6, 7]			
Mesentery	Fat	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 4-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 616

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
		Pigmentation	Mild
[Pigmentation TGLS = 4-3]			
* Liver		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 5-6, 7]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland		Cyst	Mild
[Cyst TGLS = 6-9]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
[Leukemia Mononuclear TGLS = 2-3]			
[Pigmentation TGLS = 3-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* 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		Angiectasis	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-11; 2-12]		Fibroadenoma	Multiple
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700720

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
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-6, 7]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6, 7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Pigmentation	Lipofuscin, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 1-13]			
[Fibroadenoma TGLS = 2-12; 3-11]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	
[Cyst TGLS = 6-9]			
[Leukemia Mononuclear TGLS = 6-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:23
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 536

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
* Lung		Congestion	Mild
[Congestion TGLS = 3-4, 5]			
* Ovary		Cyst	Mild
[Cyst TGLS = 1-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 1-6, 7]			
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-11]			
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Inflammation	Chronic Active, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Hemorrhage	Mild
[Hemorrhage TGLS = 3-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Clear Cell Focus TGLS = 3-6, 7]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 2-11]			
* Ovary		Cyst	Mild
[Cyst TGLS = 1-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 4-9]			
[Cyst TGLS = 4-9]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700726

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Hyperplasia	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactocele	Mild
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 0.075%	DISP: Terminal Sacrifice	HISTO: 9700728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* 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	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 1-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 3-4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 706

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Necrosis	Moderate
[Necrosis TGLS = 4-6, 7]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 680

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 3-6, 7]			
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Adenoma	
		Inflammation	Chronic Active, Moderate
* Kidney	Renal Tubule	Regeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactocele	Mild
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 662

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-6, 7]			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-1]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 648

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 3-6, 7]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Stomach, Forestomach		Hyperkeratosis	Minimal
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 5-11]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 648

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700733

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 4-9]			
[Cyst TGLS = 4-9]			
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hydrometra	Mild
[Hydrometra TGLS = 2-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 541

DOSE: 0.075%

DISP: Moribund Sacrifice

HISTO: 9700735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 2-10]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 696

DOSE: 0.075%

DISP: Natural Death

HISTO: 9700736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Necrosis	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 3-7]		
	[Necrosis TGLS = 2-6, 7]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
	[Fibroadenoma TGLS = 1-11]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 4-9]		
* Spleen		Leukemia Mononuclear	
* Uterus		Adenoma	

PRIMARY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Marked
		Inflammation	Chronic Active, Minimal
[Hyperplasia TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Minimal
[Cyst TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
		Hyperplasia	Moderate
[Carcinoma TGLS = 3-13]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 5-6, 7]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11; 2-12]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-10]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 1-6, 7]			
[Inflammation TGLS = 1-6, 7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 0.075%

DISP: Terminal Sacrifice

HISTO: 9700740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
Note: TGL #3-NCL			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 1-10]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Inflammation	Chronic Active, Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 302	TRT#: 6	SEX: Female	DAY ON TEST: 554
	DOSE: 0.15%	DISP: Natural Death	HISTO: 9700742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 2-10]			
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
* Lung		Congestion	Mild
[Congestion TGLS = 3-4, 5]			
* Pancreas	Acinus	Atrophy	Minimal
* Skin		Lipoma	
[Lipoma TGLS = 1-11]			

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: Y700743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 6-10]			
* Heart		Inflammation	Chronic Active, Mild
* Intestine Large, Rectum		Fibroma	
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 3-6, 7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 5-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Cervix	Hydrometra	Moderate
[Hydrometra TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11; 2-12]			
* Thyroid Gland	C Cell	Adenoma	
		Inflammation	Chronic Active, Minimal
* Uterus		Hydrometra	Minimal
		Inflammation	Chronic Active, Marked
		Sarcoma Stromal	
[Inflammation TGLS = 4-12]			
[Sarcoma Stromal TGLS = 3-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 696

DOSE: 0.15%

DISP: Natural Death

HISTO: 9700746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Thyroid Gland			

OBSERVATIONS

* Liver	Bile Duct	Hyperplasia Vacuolization Cytoplasmic	Minimal Mild
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma Galactocele	Multiple Marked
[Fibroadenoma TGLS = 1-11; 2-12]			
[Galactocele TGLS = 3-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia Ulcer	Mild Mild
[Ulcer TGLS = 5-14]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 638

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lymph Node		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Ovary		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-9]			
Spinal Cord		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Stomach, Forestomach		Hyperkeratosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Hydrometra	Moderate

[Hydrometra TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Cyst	Mild
		Hyperplasia	Moderate
Eye	Retina	Degeneration	Marked
[Degeneration TGLS = 1-11]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
Mesentery	Fat	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-13; 4-13; 5-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 0.15%

DISP: Natural Death

HISTO: 9700750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 3-6, 7]			
* Lung		Inflammation	Chronic Active, Mild
* Ovary		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-11]			
* Pituitary Gland		Cyst	Mild
[Cyst TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

- Ovary Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Angiectasis	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Infarct	Minimal
		Inflammation	Chronic Active, Minimal
		Mineralization	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLS = 2-6, 7]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Thyroid Gland	Follicular Cel	Carcinoma	
	C Cell	Hyperplasia	Mild
	[Carcinoma TGLS = 3-9]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 3-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
* Clitoral Gland		Cyst	Marked
[Cyst TGLS = 1-10]			
* Kidney		Cyst	Mild
		Nephropathy	Minimal
[Cyst TGLS = 5-11]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 2-6, 7]			
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Sarcoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 6-12]			
[Sarcoma TGLS = 6-12]			
Lymph Node		Carcinoma	Metastatic (Lung)
[Carcinoma TGLS = 7-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Lipoma	
[Lipoma TGLS = 9-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313	TRT#: 6 DOSE: 0.15%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 9700753
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Cyst	Mild
[Cyst TGLS = 8-13]			
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6, 7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
		Cyst	Mild
[Cyst TGLS = 1-10]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Intestine Small, Jejunum		Leiomyoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 2-6, 7]	Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Brain		Hydrocephalus	Mild
[Hydrocephalus TGLS = 1-8]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 6-6, 7]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 5-11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-12; 4-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 541

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephroblastoma	
[Nephroblastoma TGLS = 3-12]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephroblastoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Inflammation TGLS = 1-12]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
Note: TGL #3-NCL			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Stomach, Forestomach		Edema	Mild
		Erosion	Mild
	Epithelium	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 626

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Cyst	Mild
		Nephropathy	Minimal
[Cyst TGLS = 3-3]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hemorrhage	Moderate
		Polyp Stromal	
[Hemorrhage TGLS = 2-10]			
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
		Hypertrophy	Moderate
		Cyst	Minimal
* Clitoral Gland			
[Cyst TGLS = 3-10]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 1-6, 7]			
* Mammary Gland		Galactocele	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 337

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Brain		Astrocytoma Malignant	
	[Astrocytoma Malignant TGLS = 1-8]		
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Hyperkeratosis	Mild
	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Erosion	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Brain Astrocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 4-6, 7]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Cyst	Mild
		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLS = 3-6, 7]		
	[Hepatodiaphragmatic Nodule TGLS = 4-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Mild
	[Fibroadenoma TGLS = 1-11; 2-12]		
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-9]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Cyst	Moderate
		Hyperplasia	Mild
[Cyst TGLS = 2-10]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 4-6, 7; 6-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
		Thrombosis	Moderate
[Polyp Stromal TGLS = 3-10]			
[Thrombosis TGLS = 3-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6, 7]			
[Inflammation TGLS = 3-6, 7]			
* Mammary Gland		Fibroadenoma	
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Myelofibrosis	Mild
* Clitoral Gland		Hyperplasia	Moderate
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6, 7]			
[Mixed Cell Focus TGLS = 3-7]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 3-10]			
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-11]		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Adenoma	
		Cyst	Mild
	[Cyst TGLS = 1-10; 2-10]		
* Kidney		Nephropathy	Minimal
	[Nephropathy TGLS = 4-3]		
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Moderate
	[Inflammation TGLS = 3-6, 7; 5-7]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Pigmentation	Lipofuscin, Mild
* Mammary Gland		Hyperplasia	Minimal
* Ovary	Follicle	Cyst	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-9]		
* Spleen		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Marked
* Adrenal Medulla	Bilateral	Hyperplasia	Marked
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 3-11]			
* Kidney		Pigmentation	Mild
[Pigmentation TGLS = 2-3]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-7]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 4-12; 5-13; 6-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-9]			
* Spleen		Necrosis	Mild
[Necrosis TGLS = 8-3]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 596

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
Mesentery	Fat	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 658

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Pigmentation	Lipofuscin, Minimal
[Pigmentation TGLS = 1-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Tongue		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-11]			

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Moderate
* Clitoral Gland		Cyst	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6, 7]			
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 4-11]			
* Ovary	Follicle	Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex	Angiectasis	Mild
* Clitoral Gland	Inflammation	Chronic Active, Mild
* Kidney	Inflammation	Chronic Active, Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Mixed Cell Focus	
[Mixed Cell Focus TGLS = 1-6]		
* Lung	Inflammation	Chronic Active, Minimal
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 2-11]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
Note: TGL #2-NCL			
[Mixed Cell Focus TGLS = 3-11]			
* Mammary Gland		Carcinoma	
		Galactocele	Mild
[Carcinoma TGLS = 5-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Skin		Fibroma	
[Fibroma TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Moderate
[Hepatodiaphragmatic Nodule TGLS = 1-6]			
[Vacuolization Cytoplasmic TGLS = 5-11; 6-11; 7-11]			
* Mammary Gland		Galactocele	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Stomach, Forestomach		Edema	Moderate
	Epithelium	Hyperplasia	Moderate
		Ulcer	Marked
[Ulcer TGLS = 4-6]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Uterus		Thrombosis	Moderate
[Thrombosis TGLS = 2-10]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700776

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
Note: TGL #5-NCL			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-13]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-11]			
* Esophagus		Inflammation	Mild
[Inflammation TGLS = 1-11 (Inflammation site is Fat)]			
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 5-6, 7]		Inflammation	Chronic Active, Minimal
* Ovary	Periovarn Tiss	Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Kidney		Mineralization	Minimal
	[Nephropathy TGLS = 4-3]	Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
Note: TGL #3-NCL			
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-11; 2-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 541

DOSE: 0.15%

DISP: Natural Death

HISTO: 9700780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mandibular	* 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	Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung		Congestion	Minimal
		Inflammation	Chronic Active, Minimal
[Congestion TGLS = 2-4, 5]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 6-7]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6; 5-6]			
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Minimal
[Fibroadenoma TGLS = 1-11; 2-12]			
* Ovary			
Note: TGL #3-NCL			
* Pancreas		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 342 TRT#: 6 SEX: Female DAY ON TEST: 730
DOSE: 0.15% DISP: Terminal Sacrifice HISTO: 9700782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 2-6, 7, 12]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Mild
[Eosinophilic Focus TGLS = 6-11]			
[Inflammation TGLS = 3-6, 7]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-12; 2-13]			
* Ovary		Sertoli Cell Tumor Malignant	
[Sertoli Cell Tumor Malignant TGLS = 4-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 5-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* 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		Angiectasis	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Liver		Basophilic Focus	
[Clear Cell Focus TGLS = 4-6]		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-11; 3-12]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Hyperplasia TGLS = 5-9]	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 5-13]			
[Hepatodiaphragmatic Nodule TGLS = 6-13]			
[Inflammation TGLS = 7-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
[Hematopoietic Cell Proliferation TGLS = 4-3]			
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Hemorrhage	Moderate
[Hemorrhage TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700785

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-11]			
[Inflammation TGLS = 2-6, 7; 7-6; 8-7]			
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Minimal
[Fibroadenoma TGLS = 4-12; 5-11]			
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-11]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-9]			
* Stomach, Glandular		Mineralization	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: TGL 3-NCL			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 624

DOSE: 0.15%

DISP: Moribund Sacrifice

HISTO: 9700788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6, 7]			
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Mild
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* 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		Angiectasis	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
[Fibroadenoma TGLS = 1-11; 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.15%

DISP: Terminal Sacrifice

HISTO: 9700790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Adrenal Medulla	* Clitoral Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-6]		
	[Inflammation TGLS = 3-13]		
* Lung	Bronchiole, Epithelium	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
	[Fibroadenoma TGLS = 1-11]		
Mesentery	Fat	Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 5-12]		
* Ovary		Cyst	Moderate
	[Cyst TGLS = 2-10]		
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 624

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 2-12]			
* Mammary Gland		Galactocele	Mild
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-11]			
* Spleen		Pigmentation	Hemosiderin, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 4-12]			
* Mammary Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLS = 3-9]			
[Hyperplasia TGLS = 3-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 2-9]			
* Uterus		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Adrenal Medulla	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-11]			
* Ovary	Periovarn Tiss	Cyst	Mild
[Cyst TGLS = 1-10]			
Pleura			
Note: TGL #3-NCL			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 3-7]			
[Inflammation TGLS = 4-6, 7]			
* Mammary Gland		Adenoma	
		Galactocele	Mild
[Adenoma TGLS = 5-11]			
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-11]			
* Pituitary Gland	Pars Intermed	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
		Ultimobranchial Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700794

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
	[Vacuolization Cytoplasmic TGLS = 1-6, 7]		
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-9]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-6, 7]			
* Mammary Gland		Galactocele	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hydrometra	Moderate
	Cervix	Hyperplasia	Moderate
[Hydrometra TGLS = 1-10]			
[Hyperplasia TGLS = 3-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 627

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
[Eosinophilic Focus TGLS = 1-6, 7]			
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Mammary Gland		Galactocele	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 715

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Cyst	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-14]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-12; 3-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Skin		Fibroma	
[Fibroma TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: LIVER HAS ISOLATED FOCI OF LARGE FOAMY CELLS			
Note: No correlating lesion TGLS 1-7			
[Basophilic Focus TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Marked
[Cyst TGLS = 3-9]			
[Hyperplasia TGLS = 3-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361	TRT#: 8	SEX: Female	DAY ON TEST: 731
	DOSE: 0.30%	DISP: Terminal Sacrifice	HISTO: 9700801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
Note: SOME AREAS CONTAINED FOAMY MACROPHAGES [Inflammation TGLS = 1-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Minimal
[Cyst TGLS = 3-12]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 6-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Skin		Ulcer	Mild
[Ulcer TGLS = 2-12; 4-13]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Intestine Large, Rectum		Inflammation	Granulomatous, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	

Note: TGL #2-NCL

[Hepatodiaphragmatic Nodule TGLS = 3-7]

* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

[Polyp Stromal TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 361

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral GI			
Note: MAY BE INVOLVED IN MAMMARY GLAND MASS			
* Liver		Basophilic Focus	
		Necrosis	Minimal
		Carcinoma	
* Mammary Gland			
[Carcinoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6, 7]			
[Hepatodiaphragmatic Nodule TGLS = 4-7]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Fibrosarcoma	
		Ulcer	Mild
[Fibrosarcoma TGLS = 1-11]			
[Ulcer TGLS = 2-11]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 2-6, 7]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Pancreas	Acinus	Atrophy	Mild
* Skin	Pinna	Melanoma Malignant	
[Melanoma Malignant TGLS = 1-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 626

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-10]			
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 3-6]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Cyst	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 2-11]			
* Ovary		Cyst	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 6-11]			
[Inflammation TGLS = 1-6, 7]			
[Mixed Cell Focus TGLS = 2-11]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Adenoma	
		Galactocele	Mild
* Ovary		Cyst	Minimal
[Cyst TGLS = 4-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 7-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	Mild
* Uterus		Hemorrhage	Marked
[Hemorrhage TGLS = 5-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 658

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hypertrophy	Moderate
* Clitoral Gland		Hyperplasia	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6, 7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-12]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
[Cyst TGLS = 1-9]			
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 4-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

- Skin Basal Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6, 7]			
* Ovary		Cyst	Marked
[Cyst TGLS = 1-10]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374	TRT#: 8	SEX: Female	DAY ON TEST: 730
	DOSE: 0.30%	DISP: Terminal Sacrifice	HISTO: 9700814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Brain		Hydrocephalus	Moderate
[Hydrocephalus TGLS = 1-8]			
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Hemorrhage	Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-6, 7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Angiectasis	Minimal
[Adenoma TGLS = 5-9]			
Eye	Retina	Degeneration	Minimal
[Degeneration TGLS = 1-11]			
* Liver		Basophilic Focus	
		Necrosis	Moderate
[Necrosis TGLS = 4-6, 7]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperkeratosis	Minimal
	Epithelium	Hyperplasia	Minimal
[Hyperkeratosis TGLS = 6-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 680

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis Carcinoma	Mild
[Carcinoma TGLS = 4-9]			
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Mineralization	Mild
* Liver		Necrosis	Mild
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node		Ectasia	Mild
[Ectasia TGLS = 5-11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose		Inflammation	Chronic Active, Minimal
* Ovary		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 6-9]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
		Thrombosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 680

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700817

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 3-10]

[Thrombosis TGLS = 3-10]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Casts Protein	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6, 7]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland			
Note: TGL 5-NCL			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 6-7]			
* Urinary Bladder		Inflammation	Chronic Active, Minimal
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 4-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 2-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Hyperplasia	Mild
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 680

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-6, 7]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 513

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
* Mammary Gland		Galactocele	Mild
* Pituitary Gl			
Note: TGL #3-NCL			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-3]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Dysplasia	
Note: LESION IS TRUE PROLAPSE			
[Dysplasia TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

- Uterus Dysplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11; 2-12; 3-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Galactocele	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-16]			
[Hepatodiaphragmatic Nodule TGLS = 6-15; 7-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11; 2-12; 3-13; 4-14]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Mild
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 2-11; 3-12]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 1-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 704

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 2-12]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Ovary	Follicle	Cyst	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-9]			
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Sodium nitrite
 CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
 Time Report Requested: 12:56:24
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 718

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-11]			
Eye	Retina	Degeneration	Mild
	Cornea	Inflammation	Chronic Active, Moderate
[Degeneration TGLS = 1-13]			
[Inflammation TGLS = 1-13]			
* Kidney		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12]			
* Nose		Inflammation	Chronic Active, Moderate
		Squamous Cell Carcinoma	Metastatic (Skin)
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 4-9]			
* Skin		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-13]			
* Spleen	Lymph Follic	Depletion Cellular	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Marked
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Inflammation	Granulomatous, Moderate
[Basophilic Focus TGLS = 3-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 2-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
[Carcinoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Cyst	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Adenoma	
		Inflammation	Chronic Active, Minimal
[Adenoma TGLS = 4-3]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 3-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 391	TRT#: 8	SEX: Female	DAY ON TEST: 730
	DOSE: 0.30%	DISP: Terminal Sacrifice	HISTO: 9700831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
	[Angiectasis TGLS = 2-9]		
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 1-11]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 1-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 629

DOSE: 0.30%

DISP: Natural Death

HISTO: 9700833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
Harderian Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-11]			
* Kidney		Infarct	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 3-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium nitrite

CAS Number: 7632-00-0

Date Report Requested: 10/22/2014

Time Report Requested: 12:56:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 465

DOSE: 0.30%

DISP: Natural Death

HISTO: 9700834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|----------|
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule TGLS = 1-11] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |
| | | Ulcer | Moderate |
| [Ulcer TGLS = 2-6] | | | |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 694

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-6, 7]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Hyperplasia	Mild
* Ovary	Follicle	Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-9]			
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
	[Basophilic Focus TGLS = 2-6, 7]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Pancreas		Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-11]			
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
[Inflammation TGLS = 4-11]			
* Mammary Gland		Fibroadenoma	
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-12]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 474

DOSE: 0.30%

DISP: Moribund Sacrifice

HISTO: 9700838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Cyst	Minimal
[Cyst TGLS = 5-10]			
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-7]		Necrosis	Mild
* Lymph Node, Mandibular		Carcinoma	Metastatic (Zymbal'S Gland)
[Carcinoma TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach		Hyperkeratosis	Minimal
	Epithelium	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 3-12]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6, 7]			
* Lung	Alveolar Epith	Hyperplasia	Marked
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-9]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88007-05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 10/22/2014
Time Report Requested: 12:56:24
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.30%

DISP: Terminal Sacrifice

HISTO: 9700840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lymph Node, Mandibular		Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11; 2-12]			
Mesentery	Fat	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-11]			
* Nose		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE