

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

C Number:	C88006B
Lock Date:	03/26/2004
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	12/12/2005

Experiment Number: 88006-03

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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Esophagus
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mesenteric
* Preputial Gland
* Stomach, Forestomach
* Urinary Bladder

* Bone
* Harderian Gland
* Intestine Large, Rectum
* Islets, Pancreatic
* Mammary Gland
* Salivary Glands
* Stomach, Glandular

* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Larynx
* Pancreas
* Seminal Vesicle
* Thymus

* Epididymis
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mediastinal
* Parathyroid Gland
* Skin
* Trachea

MISSING

* Lymph Node, Bronchial

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex
* Brain
* Eye
* Kidney
* Liver
* Lung

Sclera

Bile Duct

Interstitium

Alveolar Epith

* Nose

* Pituitary Gland

[Adenoma TGLS = 2-10]

* Prostate

* Spleen

* Testes

[Adenoma TGLS = 1-9]

* Thyroid Gland

Interstit Cell

C Cell

Hyperplasia
Compression
Metaplasia
Nephropathy
Hyperplasia
Fibrosis
Hyperplasia
Inflammation
Foreign Body
Inflammation
Adenoma

Inflammation
Leukemia Mononuclear
Adenoma

Hyperplasia

Mild
Marked
Osseous, Moderate
Moderate
Minimal
Minimal
Minimal
Chronic, Minimal

Suppurative, Mild

Suppurative, Mild

Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

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Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 2	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 47150
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Heart	Atrium	Thrombosis	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Moderate
		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-15]		
* Lung		Leukemia Mononuclear	
	Lymph Node	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-17]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-8]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 6-17]		
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 47150

ORGAN AND ACCOUNTABLE SITE STATUS			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Mineralization	Moderate
[Mineralization TGLS = 11-18]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 5-15]			
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
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Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 3	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 688 HISTO: 47151
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Glomerulus	Fibrosis	Marked
	Papilla	Mineralization	Minimal
		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 3-16]		
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 6-10]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 688

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47151

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-15]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-9]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 47152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Pituitary Gland		Hyperplasia	Mild
* Prostate		Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate

[Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 5	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 47153
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			
* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47153

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 6	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 624 HISTO: 47154
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Brain		Hemorrhage	Marked
		Histiocytic Sarcoma	
Note: malignant reticulosis			
[Hemorrhage TGLS = 5-14]			
Mesentery		Necrosis	Marked
[Necrosis TGLS = 2,3,7-15+16+17]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
		Inflammation	Suppurative, Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Stomach, Forestomach		Necrosis	Marked
		Ulcer	Marked
[Necrosis TGLS = 4,8-18+19]			
[Ulcer TGLS = 8-18]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-9]			
* Urinary Bladder		Hemorrhage	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 624
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 47154

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 1-10]

PRIMARY CAUSE OF DEATH	- Brain Hemorrhage
CONTRIBUTORY CAUSE OF DEATH	- Mesentery Necrosis;Stomach;Forestomach Necrosis;Stomach;Forestomach Ulcer;Urinary Bladder Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 718

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Larynx	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
		Leukemia Mononuclear	
* Brain		Hemorrhage	Marked
* Eye	Lens	Cataract	Moderate
[Cataract TGLS = 3-13]			
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Interstitialium	Fibrosis	Mild
		Hemorrhage	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
		Thrombosis	Moderate
[Leukemia Mononuclear TGLS = 1-4+5]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 718 HISTO: 47155
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 10-16]	Leukemia Mononuclear
* Pituitary Gland [Adenoma TGLS = 4-10]	Adenoma
* Spleen [Leukemia Mononuclear TGLS = 6,7,8-15]	Leukemia Mononuclear
* Testes [Adenoma TGLS = 9-9]	Bilateral, Interstit Cell Adenoma

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 47156
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Pituitary Gland	Bile Duct	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]		Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 603
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 47157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Kidney	* Larynx
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Minimal
[Clear Cell Focus TGLS = 4-6]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-7]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-14]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Urinary Bladder		Calculus Micro Observation Only	Moderate
[Calculus Micro Observation Only TGLS = 5-10]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-9+16]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47158

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-9]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
* Thyroid Gland			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Hemorrhage TGLS = 2-4]		
	[Infiltration Cellular TGLS = 2-4]		
* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Skin		Cyst Epithelial Inclusion	Marked
	Subcut Tiss	Fibrosarcoma	
	[Cyst Epithelial Inclusion TGLS = 1-14]		
	[Fibrosarcoma TGLS = 4-15]		
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Marked
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Infarct	
		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-6+15]		
* Lung		Hemorrhage	Mild
	[Hemorrhage TGLS = 1-14]	Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-8]		
Oral Mucosa	Gingival	Hyperplasia	Squamous, Focal, Moderate
* Pituitary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 2-10]		
* Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47163

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 6,7,8,11-15+16+17]		Leukemia Mononuclear	
* Stomach, Glandular [Erosion TGLS = 12-18]		Erosion	Minimal
* Testes [Adenoma TGLS = 3-9]	Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 642

DOSE: CONTROL

DISP: Natural Death

HISTO: 47164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Brain		Hemorrhage	Moderate
* Kidney		Nephropathy	Minimal
* Nose	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Cyst	
		Mineralization	Minimal
		Nephropathy	Mild
[Cyst TGLS = 2-7]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Adenoma	
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
* Urinary Bladder		Calculus Micro Observation Only	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 2-14]	Pheochromocytoma Malignant	
* Brain	Compression	Marked
* Islets, Pancreatic	Adenoma	
* Kidney	Nephropathy	Mild
* Liver	Degeneration	Cystic, Moderate
Mesentery [Necrosis TGLS = 1-15]	Necrosis	Moderate
* Pituitary Gland [Adenoma TGLS = 3-10]	Adenoma	
* Prostate	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
		[Hemorrhage TGLS = 3-4+5]	
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 4-10]	
* Preputial Gland		Carcinoma	
		[Carcinoma TGLS = 1,2-9+15]	
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
		[Leukemia Mononuclear TGLS = 5-14]	
		[Necrosis TGLS = 7-14]	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47167

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-9]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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	* Larynx
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Marked
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactoceles	Marked
[Galactoceles TGLS = 6-7]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 8-15]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 7-10]			
* Prostate		Inflammation	Suppurative, Mild
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 5-14]			
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47168

ORGAN AND ACCOUNTABLE SITE STATUS

[Accessory Spleen TGLS = 3-16]

[Leukemia Mononuclear TGLS = 1-16]

[Necrosis TGLS = 2-16]

* Testes

[Adenoma TGLS = 9-9]

Interstit Cell

Necrosis

Mild

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 587

DOSE: CONTROL

DISP: Natural Death

HISTO: 47169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | | |
|-------------------------|--------------------------|---------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
|-------------------------|--------------------------|---------------------------|

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|---|----------------|----------------------------|---------------|
| * Adrenal Medulla
[Pheochromocytoma Malignant TGLS = 4-14] | | Pheochromocytoma Malignant | |
| * Eye | Sclera | Metaplasia | Osseous, Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Lung | Alveolar Epith | Hyperplasia | Marked |
| * Pituitary Gland | | Adenoma | |
| * Skin | | Cyst Epithelial Inclusion | Marked |
| | | Ulcer | Marked |
| [Cyst Epithelial Inclusion TGLS = 2,3-16] | | | |
| * Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

- Skin Cyst Epithelial Inclusion

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant;Pituitary Gland Adenoma;Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Compression	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* 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	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Marked
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-7]			
* Liver		Clear Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 618

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Marked
* Brain		Compression	Marked
	Cerebrum	Necrosis	Focal, Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart	Atrium	Thrombosis	Marked
* Kidney		Nephropathy	Marked
			[Nephropathy TGLS = 3-7]
* Larynx		Foreign Body	Minimal
		Inflammation	Suppurative, Minimal
* Liver		Necrosis	Marked
			[Necrosis TGLS = 2-6]
* Lung		Inflammation	Chronic, Moderate
			[Inflammation TGLS = 4-4+5]
* Nose		Foreign Body	
	Goblet Cell	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
* Pituitary Gland		Adenoma	
			[Adenoma TGLS = 1-10]
* Prostate		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 618

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47172

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Urinary Bladder

Transit Epithe

Hyperplasia

Mild

Inflammation

Suppurative, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis;Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Mesentery		Necrosis	Minimal
[Necrosis TGLS = 1-14]			
* Nose		Foreign Body	
	Goblet Cell	Hyperplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart	Atrium	Thrombosis	Marked
	Valve	Thrombosis	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 5-4+5]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLS = 6-14]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47174

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis;Heart Valve Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization Nephropathy	Minimal Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland [Fibroadenoma TGLS = 2-15]		Fibroadenoma	
* Pituitary Gland [Adenoma TGLS = 1-10]		Adenoma	
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Islets, Pancreatic [Carcinoma TGLS = 5-14]		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Leukemia Mononuclear	
Mesentery [Necrosis TGLS = 6-15]		Leukemia Mononuclear	
		Necrosis	Moderate
* Nose	Glands	Dilatation	Moderate
* Pituitary Gland [Adenoma TGLS = 1-10]		Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Spleen [Leukemia Mononuclear TGLS = 4-14]		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 2-9]			
[Atrophy TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47176

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 3-5]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 666

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Marked
		Hemorrhage	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic, Minimal
Note: Larynx inflammation is on slide 02.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Angiectasis	Moderate
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose		Foreign Body	
		Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 688

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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	* Larynx
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Brain		Compression	Marked
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Vacuolization Cytoplasmic	Marked
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1-7]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	Peripheral Nerve	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	Skeletal Muscle	* Skin
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Medulloblastoma Mal	
[Medulloblastoma Mal TGLS = 2-1]			
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Suppurative, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
Note: Liver Bile Duct hyperplasia is on slide 06.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Goblet Cell	Foreign Body	
		Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland		Adenoma	
Pleura		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

- Brain Medulloblastoma Mal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
[Clear Cell Focus TGLS = 4-14]			
* Lung	Interstitium	Fibrosis	Mild
		Inflammation	Chronic, Moderate
* Pituitary Gland		Hyperplasia	Marked
Pleura		Inflammation	Chronic, Moderate
* Spleen		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 3-14]			
* Stomach, Forestomach		Leiomyosarcoma	Metastatic (Spleen)
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 1-9]			
[Atrophy TGLS = 2-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47182

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * 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, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | | |
|-------------------------|--------------------------|---------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
|-------------------------|--------------------------|---------------------------|

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------|------------------|---------------|
| * Brain | | Hemorrhage | Mild |
| * Eye | Retina | Atrophy | Marked |
| | Lens | Cataract | Marked |
| | Sclera | Metaplasia | Osseous, Mild |
| | Cornea | Mineralization | Marked |
| [Cataract TGLS = 2-13] | | | |
| * Kidney | | Nephropathy | Mild |
| * Larynx | | Inflammation | Chronic, Mild |
| * Liver | | Clear Cell Focus | |
| * Prostate | | Hyperplasia | Marked |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

[Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 554

DOSE: CONTROL

DISP: Natural Death

HISTO: 47184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 1-1]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
* Larynx		Foreign Body	Mild
		Inflammation	Suppurative, Minimal
* Liver		Leukemia Mononuclear	
		Necrosis	Moderate
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 3-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 554
	DOSE: CONTROL	DISP: Natural Death	HISTO: 47184

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-9]

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain	Hemorrhage;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Preputial Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-14]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Larynx		Inflammation	Suppurative, Mild
		Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Inflammation	Chronic, Minimal
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-14]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 4-18]		
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 7-10]		
Pleura		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47186

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma Keratoacanthoma	Multiple
	[Fibroma TGLS = 1,2-15+16]		
	[Keratoacanthoma TGLS = 3-17]		
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 495

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Bone		Hyperostosis	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	
		Leukemia Mononuclear	
[Infarct TGLS = 6-14]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Penis		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-17]			
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 495

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47187

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-16]

[Leukemia Mononuclear TGLS = 3,4-15+16]

* Testes

Germinal Epith

Atrophy

Moderate

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 522

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thymsus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex	Vacuolization Cytoplasmic	Moderate
* Heart	Cardiomyopathy	Mild
* Liver	Clear Cell Focus	
	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Adenoma	
[Adenoma TGLS = 1-10]		
* Prostate	Inflammation	Suppurative, Minimal
* Spleen	Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Ulcer	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye	Lens	Cataract	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Hyperplasia	Mild
* Prostate		Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 345

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * 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 | * Larynx |
| * Liver | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- | | | |
|-------------------------|--------------------------|---------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
|-------------------------|--------------------------|---------------------------|

OBSERVATIONS

- | | | | |
|---|--------|-------------------------|-------------------|
| * Adrenal Medulla | | Hyperplasia | Moderate |
| * Eye | Sclera | Metaplasia | Osseous, Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Lung | | Squamous Cell Carcinoma | |
| [Squamous Cell Carcinoma TGLS = 1-4+14] | | | |
| * Pituitary Gland | | Hyperplasia | Minimal |
| Pleura | | Squamous Cell Carcinoma | Metastatic (Lung) |
| [Squamous Cell Carcinoma TGLS = 5-15] | | | |
| Skeletal Muscle | | Squamous Cell Carcinoma | Metastatic (Lung) |
| [Squamous Cell Carcinoma TGLS = 4-15] | | | |

PRIMARY CAUSE OF DEATH - Lung Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | | | |
|-------------------------|--------------------------|---------------------------|----------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Thymus |
|-------------------------|--------------------------|---------------------------|----------|

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------------------|----------------------|----------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-6] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 4-7] | | | |
| * Spleen | | Leukemia Mononuclear | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 1,2-9] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 646

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
* Adrenal Medulla		Atrophy	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
* Larynx		Inflammation	Chronic, Minimal
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-14]			
* Pancreas	Acinus	Atrophy	Moderate
* Preputial Gland		Cyst	Marked
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
[Atrophy TGLS = 3-9]			

PRIMARY CAUSE OF DEATH -

CONTRIBUTORY CAUSE OF DEATH - Adrenal Medulla Atrophy

Animal Note: TGL 2 = NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-7]			
* Larynx		Inflammation	Suppurative, Minimal
* Liver		Vacuolization Cytoplasmic	Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactoceles	Marked
[Galactoceles TGLS = 2,3-14+15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Preputial Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-9]			
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Forestomach		Ulcer	Marked
* Stomach, Glandular		Ulcer	Marked
[Ulcer TGLS = 7-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47193

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 590

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Mesentery		Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Glands	Dilatation	Minimal
* Pituitary Gland		Hyperplasia	Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-15+16+17]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Mineralization	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-7]			
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Infarct	
		Nephropathy	Minimal
[Nephropathy TGLS = 6-14]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47195

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 681

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Brain		Compression	Marked
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
* Larynx		Foreign Body	Marked
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-14]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 548

DOSE: CONTROL

DISP: Natural Death

HISTO: 47197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Epididymis
* Intestine Large, Rectum
* Lymph Node, Mediastinal
* Parathyroid Gland
* Seminal Vesicle
* Stomach, Glandular
* Urinary Bladder

* Bone
* Esophagus
* Intestine Small, Duodenum
* Lymph Node, Mesenteric
* Pituitary Gland
* Skin
* Thymus

* Bone Marrow
* Harderian Gland
* Islets, Pancreatic
* Mammary Gland
* Preputial Gland
* Spleen
* Thyroid Gland

* Brain
* Intestine Large, Colon
* Lung
* Pancreas
* Salivary Glands
* Stomach, Forestomach
* Trachea

MISSING

* Lymph Node, Bronchial

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

* Intestine Small, Ileum

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex
[Hyperplasia TGLS = 3-7]

Hyperplasia
Moderate

* Eye
Sclera

Metaplasia
Osseous, Mild

* Heart
Cardiomyopathy

Mild

* Kidney
Cyst

Nephropathy
Minimal

[Cyst TGLS = 1-14]

* Larynx
Foreign Body

Marked

* Liver
Basophilic Focus

Clear Cell Focus

Mesentery
Bile Duct
Hyperplasia
Minimal

Necrosis
Moderate

[Necrosis TGLS = 4-15]

* Nose
Respirat Epith
Degeneration
Hyaline, Minimal

Foreign Body

* Prostate
Inflammation
Suppurative, Minimal

Inflammation
Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 548

DOSE: CONTROL

DISP: Natural Death

HISTO: 47197

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Kidney Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4-7]			
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 5-1]			
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Leukemia Mononuclear	Minimal
		Mineralization	Moderate
		Nephropathy	Suppurative, Minimal
* Larynx		Inflammation	
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Mild
	Goblet Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47198

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Olfactory Epi

Leukemia Mononuclear

Metaplasia

Adenoma

Leukemia Mononuclear

Minimal

[Adenoma TGLS = 6-10]

* Prostate

Inflammation

Suppurative, Mild

* Spleen

Leukemia Mononuclear

Necrosis

Marked

[Leukemia Mononuclear TGLS = 1,2-14]

[Necrosis TGLS = 2-14]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 6-7]		
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
	Atrium, Myocardium	Hypertrophy	Moderate
		Leukemia Mononuclear	
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Thrombosis	Moderate
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 201	TRT#: 3 DOSE: 100 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 47449
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Skin		Cyst Epithelial Inclusion	Marked
[Cyst Epithelial Inclusion TGLS = 1-16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 633

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart	Myocardium	Hypertrophy	Moderate
	Atrium	Leukemia Mononuclear	
		Thrombosis	Marked
[Thrombosis TGLS = 2-6]			
* Kidney	Renal Tubule	Casts	Minimal
	Papilla	Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 202	TRT#: 3	SEX: Male	DAY ON TEST: 633
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 47450

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-9]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis;Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 6-6]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-16]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-14+15]			
* Skin		Ulcer	Marked
[Ulcer TGLS = 1-14+15]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47451

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Hemorrhage	Moderate
[Hemorrhage TGLS = 4-15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin		Cyst Epithelial Inclusion	Marked
[Cyst Epithelial Inclusion TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 205

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Cyst	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Peritoneum	Mesothelium, Tunica Vaginal	Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 2-14]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	[Adenoma TGLS = 3-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Marked
* Nose	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Mild
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47454

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* 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	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura	Mesothelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47455

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 579

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-7]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-4+5+14]		
	Lymph Node	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Pancreatic	Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-15]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 208	TRT#: 3	SEX: Male	DAY ON TEST: 579
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 47456

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-9]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Degeneration	Cystic, Marked
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-6,14]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 4-6]			
[Necrosis TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47457

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 637

DOSE: 100 PPM

DISP: Natural Death

HISTO: 47458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Rectum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Nose	Olfactory Epi	Degeneration	Minimal
* Pituitary Gland		Adenoma	
		Hemorrhage	Marked
	[Adenoma TGLS = 1-10]		
	[Hemorrhage TGLS = 1-10]		
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Mild
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
* Larynx		Foreign Body	Marked
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Emphysema	Mild
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 1-10]	
* Preputial Gland		Cyst	Moderate
		Hyperplasia	Marked
		[Cyst TGLS = 2-9]	
* Prostate		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 211	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 47459

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear
* Testes	Interstit Cell	Adenoma
[Adenoma TGLS = 3-9]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 212

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Brain		Compression	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Papilla	Mineralization Nephropathy	Minimal Marked
	[Nephropathy TGLS = 2-7]		
* Larynx		Foreign Body Inflammation	Marked Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Nose	Glands	Dilatation Inflammation	Mild Suppurative, Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal
	[Adenoma TGLS = 3-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 212

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47460

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 213

TRT#: 3
DOSE: 100 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 723
HISTO: 47461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* 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	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Compression	Marked
		Hemorrhage	Marked
[Hemorrhage TGLS = 6-1]			
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 4-14]			
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Glands	Dilatation	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 213

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47461

ORGAN AND ACCOUNTABLE SITE STATUS

Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
[Atrophy TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 214

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Heart
* Intestine Small, Duodenum
* Larynx
* Prostate
* Stomach, Glandular
* Urinary Bladder

* Adrenal Medulla
* Epididymis
* Intestine Large, Cecum
* Intestine Small, Ileum
* Mammary Gland
* Salivary Glands
* Thymus

* Bone
* Esophagus
* Intestine Large, Colon
* Intestine Small, Jejunum
* Pancreas
* Seminal Vesicle
* Thyroid Gland

* Bone Marrow
* Harderian Gland
* Intestine Large, Rectum
* Islets, Pancreatic
* Parathyroid Gland
* Stomach, Forestomach
* Trachea

MISSING

* Lymph Node, Bronchial

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

OBSERVATIONS

* Eye
* Kidney
* Liver

* Lung
* Lymph Node, Mediastinal
* Nose

Sclera

Goblet Cell
Olfactory Epi
Respirat Epith

Metaplasia
Nephropathy
Basophilic Focus
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Foreign Body
Hyperplasia
Hyperplasia
Hyperplasia
Inflammation
Inflammation
Adenoma
Carcinoma

Osseous, Mild
Mild

Mild
Basal Cell, Minimal
Mild
Chronic, Minimal
Suppurative, Moderate

* Pituitary Gland
* Preputial Gland
[Carcinoma TGLS = 2-15+16]
* Skin

Basal Cell Adenoma
Hyperplasia
Ulcer

Squamous, Moderate
Marked

[Basal Cell Adenoma TGLS = 5-18]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 214	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 47462

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-17]		
[Ulcer TGLS = 6-17]		
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 4-17]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 3-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 215

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 216

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Lymph Node, Mediastinal
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
* Larynx		Foreign Body	Marked
		Inflammation	Chronic, Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Glands	Dilatation	Mild
		Inflammation	Suppurative, Moderate
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
Pleura		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 216

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47464

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-9]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Urinary Bladder		Calculus Micro Observation Only	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 217

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 684

HISTO: 47465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Compression	Marked
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-7]			
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
[Clear Cell Focus TGLS = 5-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 7-16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 6-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47465

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 4-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Pituitary Gland	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 218

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 6-14]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 3,5-14]			
[Necrosis TGLS = 4-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 8-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47466

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Nose	Glands	Dilatation	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47467

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Marked
	Bile Duct	Hyperplasia	Mild
	[Hepatodiaphragmatic Nodule TGLS = 2-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Hyperplasia	Marked
Pleura		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-9]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 221

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney	Papilla	Cyst	
		Mineralization	Minimal
		Nephropathy	Mild
[Cyst TGLS = 4-7]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Hemorrhage	Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Larynx		Inflammation	Chronic, Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose	Goblet Cell	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 223

TRT#: 3

SEX: Male

DAY ON TEST: 612

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Compression	Marked
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Pituitary Gland		Carcinoma	
[Carcinoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Benign TGLS = 8-7]		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Islets, Pancreatic [Adenoma TGLS = 10-15]		Adenoma	
* Kidney [Nephropathy TGLS = 9-7]		Nephropathy	Moderate
* Lung [Emphysema TGLS = 11-4+14]	Alveolus	Carcinoma Emphysema	Metastatic (Preputial Gland) Mild
* Lymph Node, Mediastinal [Hyperplasia TGLS = 2-3]		Hyperplasia	Lymphoid, Mild
Mesentery [Necrosis TGLS = 4-16]		Necrosis	Moderate
* Nose	Olfactory Epi Goblet Cell Olfactory Epi	Degeneration Hyperplasia Hyperplasia	Mild Mild Basal Cell, Minimal
* Pituitary Gland		Adenoma	
* Preputial Gland [Carcinoma TGLS = 1-17+18]		Carcinoma	
* Spleen		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 224

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47472

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-15]

* Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

[Adenoma TGLS = 6-9]

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

Animal Note: TGL 7 = NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Islets, Pancreatic		Adenoma	Multiple
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Dilatation	Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Dilatation TGLS = 2-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3,4-14+15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
[Clear Cell Focus TGLS = 3-14]			
* Nose	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Hyperplasia	Marked
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Glands	Dilatation	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 228

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 47476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Brain		Compression	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Marked
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 2-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 228

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47476

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:38

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 229

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Cornea	Hyperplasia	Squamous, Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:38
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 230

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Bone	Intervert Disc	Chordoma	
[Chordoma TGLS = 7-15]			
* Kidney	Bilateral, Pelvis	Dilatation	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
[Dilatation TGLS = 6-7]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 230	TRT#: 3	SEX: Male	DAY ON TEST: 726
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 47478

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Inflammation	Suppurative, Moderate
Skeletal Muscle		Chordoma	Metastatic (Bone)
[Chordoma TGLS = 7-15]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Ulcer	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Urinary Bladder		Hemorrhage	Marked
[Hemorrhage TGLS = 4-14]			

PRIMARY CAUSE OF DEATH	- Stomach, Forestomach	Ulcer								
CONTRIBUTORY CAUSE OF DEATH	- Bone	Intervert Disc	Chordoma;	Kidney	Bilateral Pelvis	Dilatation;	Pituitary Gland	Leukemia Mononuclear;	Urinary Bladder	Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 562

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* 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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Liver		Leukemia Mononuclear	
* Preputial Gland		Cyst	Marked
		Hyperplasia	Marked
[Cyst TGLS = 1-14+15]			
[Hyperplasia TGLS = 1-14+15]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 5-7]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 6-10]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 2,3-14]			
[Atrophy TGLS = 4-9]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* 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	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 4-14]			
* Kidney		Nephropathy	Moderate
* Larynx		Inflammation	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLS = 1-4]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 529

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
* Intestine Large, Cecum	Epithelium	Atrophy	Moderate
		Ulcer	Moderate
* Intestine Small, Jejunum		Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked
		[Inflammation TGLS = 2-14]	
		[Ulcer TGLS = 2-14]	
* Larynx	Respirat Epith	Hyperplasia	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Testes	Germinal Epith	Mineralization	Marked
		[Mineralization TGLS = 3-9]	
* Urinary Bladder	Transit Epithe	Hyperplasia	Marked
		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 529

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47482

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Intestine Small;Jejunum Inflammation;Intestine Small;Jejunum Epithelium Ulcer

Animal Note: TGL 1 = NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 235

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney	Pelvis	Dilatation	Mild
	Pelvis, Transit Epithe	Hyperplasia	Moderate
		Nephropathy	Moderate
[Dilatation TGLS = 4-7]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 235

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47483

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 705

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Marked
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Angiectasis TGLS = 7-6]	
		[Leukemia Mononuclear TGLS = 5-6]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Pinna	Neural Crest Tumor	
		[Neural Crest Tumor TGLS = 2-15]	
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
		[Leukemia Mononuclear TGLS = 3-14]	
		[Necrosis TGLS = 4-14]	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 236	TRT#: 3	SEX: Male	DAY ON TEST: 705
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 47484

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-9]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 237

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 660

HISTO: 47485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-14]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Hemorrhage	Marked
* Nose	Goblet Cell	Foreign Body	
		Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 238

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-6]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-3]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
		[Necrosis TGLS = 6-15]	
* Nose	Globet Cell	Foreign Body	
		Hyperplasia	Minimal
		Inflammation	Suppurative, Moderate
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 3-10]	
* Prostate		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 238

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47486

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibrosarcoma TGLS = 1-16+17+18]	Subcut Tiss	Fibrosarcoma	
* Spleen [Leukemia Mononuclear TGLS = 5-14]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 7-9]	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 239

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
Mesentery		Necrosis	Mild
	[Necrosis TGLS = 6-15]		
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Preputial Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 2-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 3-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 239

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47487

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 240

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 3-7]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-14]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 5-9]		
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 240

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47488

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Larynx | * Lymph Node, Mesenteric |
| * Mammary Gland | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------|----------------------|----------------------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| * Eye | Sclera | Metaplasia | Osseous, Mild |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | Papilla | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Multiple |
| | | Bile Stasis | Marked |
| | Bile Duct | Dilatation | Marked |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| [Bile Stasis TGLS = 3-14] | | | |
| [Dilatation TGLS = 3-14] | | | |
| [Leukemia Mononuclear TGLS = 2-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Nose | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| * Pancreas | Acinus | Atrophy | Moderate |
| * Prostate | | Inflammation | Suppurative, Minimal |
| * Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 241

TRT#: 3
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 47489

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 663

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Glioma Malignant	
[Glioma Malignant TGLS = 4-1]			
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Larynx		Inflammation	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH - Brain Glioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 243

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 708

HISTO: 47491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Rectum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Thyroid Gland			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Trachea	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Intestine Small, Duodenum [Ulcer TGLS = 6-14]		Ulcer	Marked
* Kidney	Papilla	Mineralization	Minimal
	Renal Tubule	Mineralization	Marked
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland [Adenoma TGLS = 2-10]		Adenoma	
* Prostate [Inflammation TGLS = 4-15]		Inflammation	Suppurative, Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach [Mineralization TGLS = 5-10]	Epithelium	Mineralization	Moderate
* Stomach, Glandular	Epithelium	Mineralization	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 243

TRT#: 3

SEX: Male

DAY ON TEST: 708

DOSE: 100 PPM

DISP: Natural Death

HISTO: 47491

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Hemorrhage

Marked

[Hemorrhage TGLS = 3-10]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Intestine Small;Duodenum Ulcer;Prostate Inflammation;Urinary Bladder Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Vacuolization Cytoplasmic	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Marked
* Larynx		Inflammation	Chronic, Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		[Clear Cell Focus TGLS = 3-6]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3]	
Mesentery		Necrosis	Moderate
		[Necrosis TGLS = 4-15]	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 5-10]	
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47492

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-9]

* Thyroid Gland

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 245

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 684

HISTO: 47493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Compression	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Leukemia Mononuclear TGLS = 2-7]			
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4+5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Foreign Body	Basal Cell, Minimal
		Hyperplasia	Suppurative, Mild
		Inflammation	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
[Inflammation TGLS = 5-10]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 245

TRT#: 3

SEX: Male

DAY ON TEST: 684

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47493

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
* Prostate		Inflammation	Suppurative, Minimal
* Skin		Cyst Epithelial Inclusion	Marked
		Hyperkeratosis	Marked
		Inflammation	Chronic, Moderate
	[Cyst Epithelial Inclusion TGLS = 5-15]		
	[Hyperkeratosis TGLS = 1,2-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-9]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47494

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Epididymis		Mesothelioma Malignant	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-15]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4,5-15+16]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Tunic	Mesothelioma Malignant	
[Adenoma TGLS = 6-9]			
[Mesothelioma Malignant TGLS = 3-14]			
* Thymus		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47495

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 248

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 2,7-15+16]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
* Preputial Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Mild
* Skin		Hyperkeratosis	Moderate
	[Hyperkeratosis TGLS = 1-16]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 248

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47496

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 6-9+14]

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 249

TRT#: 3

DOSE: 100 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 624

HISTO: 47497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Rectum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Brain		Compression	Marked
		Hemorrhage	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
* Larynx		Foreign Body	Marked
		Inflammation	Chronic, Mild
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Moderate
* Pituitary Gland		Adenoma	
		Cyst	Marked
[Cyst TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 1-9]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 624

DOSE: 100 PPM

DISP: Natural Death

HISTO: 47497

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Cyst

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 250

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Mild
* Larynx		Foreign Body	Marked
		Inflammation	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Glands	Dilatation	Moderate
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 401

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-15]	
		[Leukemia Mononuclear TGLS = 3-17]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-16]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 10-8]	
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 9-10]	
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Metaplasia	Osseous, Moderate
		[Metaplasia TGLS = 1-16]	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 401

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47349

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6,7-14+15]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-9]

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLS = 4-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 402

TRT#: 5

SEX: Male

DAY ON TEST: 684

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Marked
* Eye	Lens	Cataract	Moderate
	Sclera	Metaplasia	Osseous, Mild
[Cataract TGLS = 1-13]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-7]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 403

TRT#: 5

SEX: Male

DAY ON TEST: 705

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14]			
* Testes	Germinal Epith	Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma
 CONTRIBUTORY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 404

TRT#: 5

SEX: Male

DAY ON TEST: 618

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Preputial Gland		Cyst	Marked
		Hyperplasia	Marked
		Inflammation	Suppurative, Marked
[Hyperplasia TGLS = 1-14]			
[Inflammation TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Preputial Gland Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 405

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 47353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Larynx	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 406

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 407

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Moderate
* Larynx		Foreign Body	Marked
		Inflammation	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 408

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 4-14]		
	[Leukemia Mononuclear TGLS = 3-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1,2-9+15]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 409

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Moderate
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 410

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 47358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Blood Vessel	Pulmn Artery	Mineralization	Moderate
* Brain		Compression	Mild
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 4-6]			
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Glands	Dilatation	Moderate
		Inflammation	Chronic, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLS = 6-14]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47358

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 411

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 5-16+17]		
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
	[Leukemia Mononuclear TGLS = 1-14]		
	[Necrosis TGLS = 2-14]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 411	TRT#: 5	SEX: Male	DAY ON TEST: 708
	DOSE: 300 PPM	DISP: Moribund Sacrifice	HISTO: 47359

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-9]	Interstit Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 412

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Moderate
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 412

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47360

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 413

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 674

HISTO: 47361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Cortex, Renal Tubule Papilla	Accumulation, Hyaline Droplet Mineralization Nephropathy	Marked Minimal Minimal
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
Skeletal Muscle		Liposarcoma	
[Liposarcoma TGLS = 1-16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 413

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47361

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 414

TRT#: 5

SEX: Male

DAY ON TEST: 656

DOSE: 300 PPM

DISP: Natural Death

HISTO: 47362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Islets, Pancreatic
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Trachea			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Spleen	* Stomach, Forestomach
* Stomach, Glandular			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Eye	Lens	Cataract	Mild
	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis	Hemorrhage	Moderate
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic, Minimal
* Lung	Mediastinum	Inflammation	Suppurative, Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1,2-9]		
* Thymus		Inflammation	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
* Urinary Bladder		Cyst	Marked

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Kidney Pelvis Hemorrhage;Lung Mediastinum Inflammation;Thymus Inflammation;Urinary Bladder Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 415

TRT#: 5

SEX: Male

DAY ON TEST: 716

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* 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		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Hemorrhage	Marked
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
		[Nephropathy TGLS = 5-7]	
* Larynx		Inflammation	Suppurative, Mild
* Liver		Clear Cell Focus	
		Vacuolization Cytoplasmic	Moderate
		[Clear Cell Focus TGLS = 3-14]	
		[Vacuolization Cytoplasmic TGLS = 2-6]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Intermed	Carcinoma	
		[Carcinoma TGLS = 4-10]	
Pleura		Inflammation	Chronic, Minimal
* Testes	Artery	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

- Brain Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Intermed Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 415

TRT#: 5

SEX: Male

DAY ON TEST: 716

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47363

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 416

TRT#: 5

SEX: Male

DAY ON TEST: 565

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 1-14]			
* Nose	Globet Cell	Foreign Body	Mild
		Hyperplasia	Suppurative, Mild
		Inflammation	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 417

TRT#: 5
DOSE: 300 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 47365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
* Liver		Angiectasis	Moderate
	Bile Duct	Hyperplasia	Mild
[Angiectasis TGLS = 4-6]			
* Lymph Node, Bronchial		Hyperplasia	Histiocytic, Moderate
[Hyperplasia TGLS = 1-7]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	Sclera	Metaplasia	Osseous, Minimal
	[Cataract TGLS = 1-13]		
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Degeneration	Mucoid, Focal, Moderate
	Interstitium	Fibrosis	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Bronchial		Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLS = 2-4]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 4-10]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 3-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 418

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47366

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 419

TRT#: 5

SEX: Male

DAY ON TEST: 560

DOSE: 300 PPM

DISP: Natural Death

HISTO: 47367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Kidney	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

Blood Vessel	Pulmn Artery	Infiltration Cellular	Polymorphnuclr, Marked
* Heart	Atrium	Thrombosis	Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Thrombosis	Marked
[Thrombosis TGLS = 1-3]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-14+15]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis;Spleen Leukemia Mononuclear;Thymus Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 420

TRT#: 5

SEX: Male

DAY ON TEST: 688

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
[Inflammation TGLS = 7-5]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Schwannoma Benign	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 420

TRT#: 5

SEX: Male

DAY ON TEST: 688

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47368

ORGAN AND ACCOUNTABLE SITE STATUS

[Schwannoma Benign TGLS = 2-16]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-9]

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
Lymph Node	Lumbar	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-15]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-16]		
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Suppurative, Mild
* Pituitary Gland		Cyst	Mild
* Prostate		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47369

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 8-17]

* Seminal Vesicle

Inflammation

Suppurative, Marked

* Spleen

Leukemia Mononuclear

Necrosis

Marked

[Leukemia Mononuclear TGLS = 2-14]

[Necrosis TGLS = 3-15]

* Testes

Interstit Cell

Adenoma

Germinal Epith

Atrophy

Marked

[Adenoma TGLS = 7-9]

[Atrophy TGLS = 6-9]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 422

TRT#: 5

SEX: Male

DAY ON TEST: 596

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
	[Nephropathy TGLS = 8-7]		
* Larynx		Inflammation	Suppurative, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 9-6]		
	[Leukemia Mononuclear TGLS = 10-6]		
* Nose	Olfactory Epi Glands Goblet Cell	Degeneration Dilatation Hyperplasia Inflammation	Mild Moderate Moderate Chronic, Mild
* Spleen		Accessory Spleen Leukemia Mononuclear	Marked
	[Accessory Spleen TGLS = 7-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 422	TRT#: 5	SEX: Male	DAY ON TEST: 596
	DOSE: 300 PPM	DISP: Moribund Sacrifice	HISTO: 47370

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-9]

Tooth		Inflammation	Suppurative, Marked
PRIMARY CAUSE OF DEATH	- Tooth	Inflammation	
CONTRIBUTORY CAUSE OF DEATH	- Nose	Inflammation	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 423

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST: 680

HISTO: 47371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain		Hemorrhage	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Bilateral, Pelvis	Dilatation	Mild
		Nephropathy	Marked
			[Dilatation TGLS = 8-16]
			[Nephropathy TGLS = 7-7]
* Liver		Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	Marked
	Bile Duct	Hyperplasia	Mild
			[Hepatodiaphragmatic Nodule TGLS = 6-15]
Mesentery		Necrosis	Moderate
			[Necrosis TGLS = 9-14]
* Nose	Globet Cell	Hyperplasia	Moderate
* Pituitary Gland		Adenoma	
			[Adenoma TGLS = 1-10]
* Prostate		Inflammation	Suppurative, Marked
* Seminal Vesicle		Cyst	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 423

TRT#: 5

SEX: Male

DAY ON TEST: 680

DOSE: 300 PPM

DISP: Natural Death

HISTO: 47371

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 5-10]			
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
[Adenoma TGLS = 3-9]			
[Atrophy TGLS = 2-9]			
* Urinary Bladder		Hemorrhage Necrosis	Marked Marked
[Hemorrhage TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Seminal Vesicle Cyst;Urinary Bladder Hemorrhage;Urinary Bladder Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 424	TRT#: 5	SEX: Male	DAY ON TEST: 210
	DOSE: 300 PPM	DISP: Accidentally Killed	HISTO: 47372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Bone	Maxilla	Fracture	
* Brain	Chor Plexus	Hemorrhage	Marked
* Eye			
Note: Only one section of Eye on slide.			
* Nose		Hemorrhage	Mild
		Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH

- Bone Maxilla Fracture

CONTRIBUTORY CAUSE OF DEATH

- Brain Chor Plexus Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 425

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* 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	* Larynx	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Moderate
		Hemorrhage	Mild
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose		Foreign Body	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 426

TRT#: 5

SEX: Male

DAY ON TEST: 558

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-4+5]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLS = 5-10]		
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 426

TRT#: 5
DOSE: 300 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 558
HISTO: 47374

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 427

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Atrophy TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 428

TRT#: 5

SEX: Male

DAY ON TEST: 652

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Heart	Atrium	Thrombosis	Marked
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 5-15]	
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 1-10]	
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-14]	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 428	TRT#: 5	SEX: Male	DAY ON TEST: 652
	DOSE: 300 PPM	DISP: Moribund Sacrifice	HISTO: 47376

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-9]

* Urinary Bladder

Calculus Micro Observation Only

Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 429

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Larynx			
Note: Only 2 sections of Larynx on slide.			
* Liver	Bile Duct	Hyperplasia	Mild
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 430

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 5-7]			
* Larynx		Inflammation	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 431

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Mild
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney		Nephropathy	Moderate
* Larynx		Inflammation	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Moderate Histiocyte, Moderate
[Hyperplasia TGLS = 3,4-5+14]			
[Infiltration Cellular TGLS = 3,4-5+14]			
[Leukemia Mononuclear TGLS = 3,4-5+14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Galactoceles	Marked
* Nose	Glands	Dilatation	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Basal Cell Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 431

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47379

ORGAN AND ACCOUNTABLE SITE STATUS

[Basal Cell Adenoma TGLS = 6-15]

* Spleen

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-9]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 432

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Alveolar Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 2-5]		
* Nose		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
* Skin		Basal Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 432

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47380

ORGAN AND ACCOUNTABLE SITE STATUS

[Basal Cell Carcinoma TGLS = 1-15]

[Ulcer TGLS = 1-15]

* Spleen

[Leukemia Mononuclear TGLS = 5-14]

* Testes

[Adenoma TGLS = 4-9]

Bilateral, Interstit Cell

Ulcer

Moderate

Leukemia Mononuclear

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-7]			
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 8-15]			
[Infiltration Cellular TGLS = 9-16]			
[Leukemia Mononuclear TGLS = 8-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-18]			
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 1-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47381

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi Glands Olfactory Epi Olfactory Epi	Degeneration Dilatation Hyperplasia Metaplasia Adenoma	Minimal Minimal Basal Cell, Minimal Mild
* Pituitary Gland [Adenoma TGLS = 3-10]			
Pleura [Inflammation TGLS = 9-16]		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Skin [Inflammation TGLS = 1-14]		Inflammation	Chronic, Marked
* Spleen [Leukemia Mononuclear TGLS = 4-17] [Necrosis TGLS = 5-17]		Leukemia Mononuclear Necrosis	Marked
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 434

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 47382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Moderate
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6,6-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	[Inflammation TGLS = 5-5]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 1-14]		
* Pituitary Gland		Adenoma	
Pleura		Inflammation	Chronic, Mild
	[Inflammation TGLS = 5-5]		
* Prostate		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 434

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47382

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 3-6]

Leukemia Mononuclear

* Testes

[Adenoma TGLS = 2-9]

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 435

TRT#: 5
DOSE: 300 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 674
HISTO: 47383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Islets, Pancreatic [Adenoma TGLS = 4-14]		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Glands	Dilatation	Mild
* Pituitary Gland [Hyperplasia TGLS = 1-10]		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Mild
* Spleen [Leukemia Mononuclear TGLS = 2,5-14]		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 435

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47383

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 436

TRT#: 5
DOSE: 300 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 47384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 4-7]		Pheochromocytoma Malignant	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Mesentery [Necrosis TGLS = 5-14]		Necrosis	Moderate
* Nose	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland		Hyperplasia	Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 436

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47384

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 437

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 438

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 657

HISTO: 47386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
[Adenoma TGLS = 11-7]			
* Adrenal Medulla		Hyperplasia	Marked
* Heart	Atrium	Thrombosis	Marked
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
[Leukemia Mononuclear TGLS = 10-6]		Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
[Hemorrhage TGLS = 5-14]		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-15]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 1-16]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 12-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 438	TRT#: 5	SEX: Male	DAY ON TEST: 657
	DOSE: 300 PPM	DISP: Moribund Sacrifice	HISTO: 47386

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Suppurative, Marked
* Spleen	Leukemia Mononuclear	
	Necrosis	Marked
[Leukemia Mononuclear TGLS = 7,8-15]		
[Necrosis TGLS = 6-15]		
* Stomach, Forestomach	Ulcer	Marked
[Ulcer TGLS = 13-10]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 439

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14+15+16]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 440

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Intestine Small, Duodenum		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 10-7]			
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Thrombosis	Moderate
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4+5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8,9-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 440

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 674

HISTO: 47388

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 5-14] Leukemia Mononuclear

* Testes [Adenoma TGLS = 7-9] Interstit Cell Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 441

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Lens	Cataract	Marked
	Sclera	Metaplasia	Osseous, Mild
[Cataract TGLS = 1-13]			
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic, Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
[Clear Cell Focus TGLS = 5-15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 442

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 688

HISTO: 47390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 3-6]			
* Kidney		Cyst	
[Cyst TGLS = 7-7]			
* Larynx		Inflammation	Suppurative, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
[Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 1-14]	Alveolus	Infiltration Cellular	Histiocyte, Moderate
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-14]			
* Nose		Foreign Body	
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 442

TRT#: 5

SEX: Male

DAY ON TEST: 688

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47390

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-10]

* Spleen

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-9]

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 443

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 47391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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	* Larynx
* Lung	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Hemorrhage	Marked
* Eye		Atrophy	Marked
	Lens	Cataract	Marked
	Sclera	Metaplasia	Osseous, Minimal
[Cataract TGLS = 3-13]			
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Moderate
		Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Nose	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Carcinoma	
* Skin		Hyperkeratosis	Moderate
		Ulcer	Moderate
[Ulcer TGLS = 1-15]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 443	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 300 PPM	DISP: Terminal Sacrifice	HISTO: 47391

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-9]		
[Atrophy TGLS = 5-9]		
* Thyroid Gland	Follicular Cel	Adenoma
[Adenoma TGLS = 6-3]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 444

TRT#: 5

SEX: Male

DAY ON TEST: 716

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Marked
	[Leukemia Mononuclear TGLS = 5-6,6-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4+5]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 8-16]		
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 444	TRT#: 5	SEX: Male	DAY ON TEST: 716
	DOSE: 300 PPM	DISP: Moribund Sacrifice	HISTO: 47392

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-10]			
* Prostate		Inflammation	Suppurative, Marked
[Inflammation TGLS = 10-15]			
* Spleen		Leukemia Mononuclear Necrosis	Marked
[Leukemia Mononuclear TGLS = 9-14]			
[Necrosis TGLS = 9-14]			
* Testes	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Marked Moderate
[Atrophy TGLS = 7-9]			
Tooth	Peridont Tiss	Inflammation	Marked

PRIMARY CAUSE OF DEATH	- Spleen Necrosis
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis;Pituitary Gland Adenoma;Prostate Inflammation;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 445

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 649

HISTO: 47393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	Spinal Cord	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Ganglioneuroma	
* Bone	Intervert Disc	Chordoma	
[Chordoma TGLS = 2,3-14+18]			
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis	Dilatation	Mild
[Dilatation TGLS = 8-7]		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
* Lung		Chordoma	Metastatic (Bone)
	Alveolar Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Preputial Gland		Cyst	Marked
[Cyst TGLS = 1-9]			
* Prostate		Cyst	Marked
[Cyst TGLS = 7-17]		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Dilatation	Marked
[Dilatation TGLS = 6-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 445

TRT#: 5

SEX: Male

DAY ON TEST: 649

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47393

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Hyperplasia	Squamous, Marked
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 9-9]			
* Urinary Bladder		Hemorrhage	Marked
		Necrosis	Marked
[Hemorrhage TGLS = 5-16]			

PRIMARY CAUSE OF DEATH

- Bone Intervert Disc Chordoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Pelvis Dilatation;Urinary Bladder Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 446

TRT#: 5

SEX: Male

DAY ON TEST: 563

DOSE: 300 PPM

DISP: Natural Death

HISTO: 47394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Islets, Pancreatic |
| * Kidney | * Larynx | * Liver | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

AUTO PRECLUDES DIAG.

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

INSUFFICIENT TISSUE

- * Pituitary Gland

OBSERVATIONS

- | | | | |
|------------------------------|---------------|-----------------------|----------------------|
| * Adrenal Medulla | | Hyperplasia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Lung | Alveolus | Emphysema | Marked |
| [Emphysema TGLS = 5-4+5] | | | |
| * Lymph Node, Mediastinal | | Infiltration Cellular | Histiocyte, Moderate |
| | | Pigmentation | Moderate |
| * Nose | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| Pleura | | Inflammation | Chronic, Marked |
| [Inflammation TGLS = 1-15] | | | |
| * Prostate | | Inflammation | Suppurative, Mild |
| * Stomach, Glandular | | Erosion | Moderate |
| [Erosion TGLS = 3-14] | | | |

PRIMARY CAUSE OF DEATH

- Lung Alveolus Emphysema

CONTRIBUTORY CAUSE OF DEATH

- Pleura Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 447

TRT#: 5

SEX: Male

DAY ON TEST: 618

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Interstitium	Fibrosis	Moderate
		Inflammation	Suppurative, Marked
		Leukemia Mononuclear	
	[Inflammation TGLS = 2-4+5]		
	[Leukemia Mononuclear TGLS = 2-4+5]		
* Lymph Node, Mediastinal		Angiectasis	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Nose	Olfactory Epi	Degeneration	Mild
		Inflammation	Suppurative, Marked
* Pituitary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 7-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 447	TRT#: 5	SEX: Male	DAY ON TEST: 618
	DOSE: 300 PPM	DISP: Moribund Sacrifice	HISTO: 47395

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
Zymbal's Gland		Inflammation	Moderate
[Inflammation TGLS = 3-14]			

PRIMARY CAUSE OF DEATH	-
CONTRIBUTORY CAUSE OF DEATH	- Lung Inflammation;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 448

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 47396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Brain		Compression	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-7]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Marked
* Parathyroid Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-3]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 448

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47396

ORGAN AND ACCOUNTABLE SITE STATUS

Germinal Epith

Atrophy

Marked

[Adenoma TGLS = 3-14]

[Atrophy TGLS = 4-9]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 449

TRT#: 5

DOSE: 300 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 47397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Renal Tubule	Carcinoma	
		Nephropathy	Mild
[Carcinoma TGLS = 3-7]			
* Lung		Inflammation	Chronic, Mild
Mesentery		Necrosis	Marked
[Necrosis TGLS = 2-15]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 450

TRT#: 5

SEX: Male

DAY ON TEST: 619

DOSE: 300 PPM

DISP: Natural Death

HISTO: 47398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 450

TRT#: 5

SEX: Male

DAY ON TEST: 619

DOSE: 300 PPM

DISP: Natural Death

HISTO: 47398

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-9]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Lymph Node, Mediastinal	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Marked
	[Nephropathy TGLS = 5-7]		
* Liver		Angiectasis	Marked
		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Angiectasis TGLS = 6-6]		
	[Hepatodiaphragmatic Nodule TGLS = 4-14]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Galactoceles	Marked
* Mammary Gland		Degeneration	Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Adenoma	
* Pituitary Gland			
	[Adenoma TGLS = 2-10]		
Pleura		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47249

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland		Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 602

TRT#: 7

SEX: Male

DAY ON TEST: 586

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Mild
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pituitary Gland		Hyperplasia	Marked
		[Hyperplasia TGLS = 4-10]	
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
		[Leukemia Mononuclear TGLS = 2-14]	
		[Necrosis TGLS = 3-14]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-9]	
* Urinary Bladder		Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 603

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 4-6]			
* Kidney	Papilla	Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
[Hemorrhage TGLS = 3-4+5]		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 603	TRT#: 7	SEX: Male	DAY ON TEST: 722
	DOSE: 1000 PPM	DISP: Moribund Sacrifice	HISTO: 47251

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach [Inflammation TGLS = 8-15]		Inflammation	Suppurative, Moderate
* Testes [Adenoma TGLS = 5-9]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* 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, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 5-7]			
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
* Larynx		Inflammation	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Nose	Nerve, Olfactory Epi	Degeneration	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Focal, Marked
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47252

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 605

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Heart		Cardiomyopathy	Moderate
[Cardiomyopathy TGLS = 2-6]			
* Kidney	Renal Tubule	Carcinoma	
[Carcinoma TGLS = 6,7-14]		Nephropathy	Moderate
[Nephropathy TGLS = 8-7]			
* Liver		Leukemia Mononuclear	
* Lung		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 1-4+5]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 9-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 605

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47253

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicular Cel

Adenoma

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Transit Epithe

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Kidney Renal Tubule Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 606

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
	Atrium	Necrosis	Marked
* Kidney	Papilla	Mineralization	Moderate
		Nephropathy	Marked
	[Nephropathy TGLS = 4-7]		
* Liver		Angiectasis	Moderate
		Clear Cell Focus	
		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	[Adenoma TGLS = 3-9]		
	[Atrophy TGLS = 2-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 607

TRT#: 7

SEX: Male

DAY ON TEST: 688

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Moderate
* Heart	Atrium	Cardiomyopathy Thrombosis	Mild Marked
[Thrombosis TGLS = 2-6]			
* Kidney		Nephropathy	Moderate
* Larynx		Inflammation	Suppurative, Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia Adenoma	Basal Cell, Mild
* Pituitary Gland			
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Hemorrhage Leukemia Mononuclear Necrosis	Marked Marked
[Hemorrhage TGLS = 7-16]			
[Leukemia Mononuclear TGLS = 4-14+15+16]			
[Necrosis TGLS = 5,6-14+15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 607	TRT#: 7	SEX: Male	DAY ON TEST: 688
	DOSE: 1000 PPM	DISP: Moribund Sacrifice	HISTO: 47255

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 8-9]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 562

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Mild
		Nephropathy	Minimal
* Larynx		Inflammation	Chronic, Minimal
* Liver		Hemorrhage	Marked
		Leukemia Mononuclear	
[Hemorrhage TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 2-4+5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 608

TRT#: 7

DOSE: 1000 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 562

HISTO: 47256

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi Respirat Epith	Hyperplasia Hyperplasia	Basal Cell, Mild Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear Necrosis	Marked
	[Leukemia Mononuclear TGLS = 5-15] [Necrosis TGLS = 4-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-9]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 653

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 47257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Pancreas	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Brain		Compression	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14]		
* Nose		Inflammation	Suppurative, Moderate
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Prostate		Inflammation	Suppurative, Marked
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 653

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 47257

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstitial Cell	Hyperplasia	Mild
	[Adenoma TGLS = 1-9]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47258

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 2-9]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 611

TRT#: 7

SEX: Male

DAY ON TEST: 562

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Papilla	Mineralization Nephropathy	Minimal Mild
* Liver		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-15]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-14+17]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 612

TRT#: 7

SEX: Male

DAY ON TEST: 701

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 4-1]			
* Eye		Atrophy	Marked
	Lens	Cataract	Marked
[Atrophy TGLS = 3-13]			
[Cataract TGLS = 3-13]			
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 6-6]			
* Lung	Interstitialium	Fibrosis	Mild
		Hemorrhage	Moderate
	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4+5]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 612

TRT#: 7

SEX: Male

DAY ON TEST: 701

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47260

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 5-14]		Leukemia Mononuclear
* Testes Zymbal's Gland [Adenoma TGLS = 2-15]	Bilateral, Interstit Cell	Adenoma Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 613

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* 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	* Liver
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Larynx		Inflammation	Chronic, Mild
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 614

TRT#: 7

SEX: Male

DAY ON TEST: 702

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney		Nephropathy	Moderate
* Larynx		Foreign Body	Marked
		Inflammation	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-6]	
* Lung		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 6-10]	
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
		[Leukemia Mononuclear TGLS = 3-14]	
		[Necrosis TGLS = 4-14]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-9]	
* Thyroid Gland	Follicular Cel	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 614

TRT#: 7

SEX: Male

DAY ON TEST: 702

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47262

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 615

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Marked
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Heart	Atrium	Cardiomyopathy Thrombosis	Moderate Marked
[Thrombosis TGLS = 4-6]			
* Kidney	Papilla	Infarct Mineralization Nephropathy	Minimal Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear Necrosis	Minimal Moderate
* Lung		Leukemia Mononuclear	
* Nose	Olfactory Epi Olfactory Epi	Degeneration Hyperplasia	Minimal Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 615

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47263

ORGAN AND ACCOUNTABLE SITE STATUS

Germinal Epith

Atrophy

Marked

[Adenoma TGLS = 3-9]

[Atrophy TGLS = 2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 616

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Moderate
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
Tongue	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 617

TRT#: 7

DOSE: 1000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* 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, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Moderate
* Larynx		Inflammation	Suppurative, Mild
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Preputial Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-9]			
* Spleen		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 618

TRT#: 7

SEX: Male

DAY ON TEST: 669

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Heart	Atrium	Thrombosis	Marked
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-6]	
* Lung		Leukemia Mononuclear	
	Lymph Node	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-15]	
* Nose		Foreign Body	
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 618	TRT#: 7	SEX: Male	DAY ON TEST: 669
	DOSE: 1000 PPM	DISP: Moribund Sacrifice	HISTO: 47266

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-14]		
* Stomach, Glandular	Erosion	Mild
[Erosion TGLS = 4-10+16]		
* Testes	Interstit Cell	Adenoma

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 619

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy	Minimal Minimal Moderate
* Liver	Bile Duct	Clear Cell Focus Hyperplasia Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 9-6]			
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear Leukemia Mononuclear	Histiocyte, Mild
* Lymph Node, Bronchial		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 2-16]			
* Nose	Goblet Cell Olfactory Epi Olfactory Epi	Hyperplasia Hyperplasia Inflammation Metaplasia Adenoma	Moderate Basal Cell, Minimal Suppurative, Mild Moderate
* Pituitary Gland			
[Adenoma TGLS = 4-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 619

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47267

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
		Hyperkeratosis	Marked
	[Fibroma TGLS = 3-15]		
	[Hyperkeratosis TGLS = 1-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7,8-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5,6-9+15]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 620

TRT#: 7

SEX: Male

DAY ON TEST: 565

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* 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, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Brain		Compression	Minimal
* Kidney	Papilla	Mineralization	Moderate
		Nephropathy	Mild
* Larynx		Foreign Body	Marked
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 2-14]			
Lymph Node	Deep Cervical	Hemorrhage	Moderate
[Hemorrhage TGLS = 1-14]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 714

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 47269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-17]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Moderate
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-9+18]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-17]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 7

SEX: Male

DAY ON TEST: 714

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 47269

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-14+15+16]

[Necrosis TGLS = 6,7-15+16]

* Testes

Bilateral, Interstit Cell

Tunic

[Adenoma TGLS = 3-9]

[Mesothelioma Malignant TGLS = 4-9]

Necrosis

Marked

Adenoma

Mesothelioma Malignant

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 622

TRT#: 7

SEX: Male

DAY ON TEST: 668

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 3-14]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2-15 through 20]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-9]		

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 623

TRT#: 7

DOSE: 1000 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 702

HISTO: 47271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Gliosis	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney		Infarct	
	Papilla	Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Moderate
[Leukemia Mononuclear TGLS = 5-7]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-15]			
[Leukemia Mononuclear TGLS = 7-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 623

TRT#: 7

SEX: Male

DAY ON TEST: 702

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47271

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2,3-14]

* Stomach, Glandular

Erosion

Minimal

[Erosion TGLS = 9-15]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-9]

* Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 624

TRT#: 7

DOSE: 1000 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 558

HISTO: 47272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
	[Leukemia Mononuclear TGLS = 8-17]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Hemorrhage	Moderate
	[Hemorrhage TGLS = 2-4+5]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4+5]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-18]		
	[Leukemia Mononuclear TGLS = 5-20]		
	[Leukemia Mononuclear TGLS = 10-19]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 624	TRT#: 7	SEX: Male	DAY ON TEST: 558
	DOSE: 1000 PPM	DISP: Moribund Sacrifice	HISTO: 47272

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-17]			
* Nose	Olfactory Epi	Hyperplasia Leukemia Mononuclear	Basal Cell, Mild
* Spleen		Hemorrhage Leukemia Mononuclear	Marked
[Hemorrhage TGLS = 6-16]			
[Leukemia Mononuclear TGLS = 4-15]			
* Stomach, Forestomach		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-21]			
* Testes	Germinal Epith	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 625

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Marked
* Brain		Leukemia Mononuclear	
[Hemorrhage TGLS = 8,9-1]		Hemorrhage	Marked
* Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Moderate
		Nephropathy	Mild
* Larynx		Foreign Body	Marked
		Inflammation	Chronic, Moderate
* Liver		Angiectasis	Marked
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 4-15]			
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16]			
* Nose		Foreign Body	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 625

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47273

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia Inflammation	Basal Cell, Mild Suppurative, Moderate
* Pituitary Gland		Hyperplasia	Marked
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear Necrosis	Marked
	[Leukemia Mononuclear TGLS = 1-14]		
	[Necrosis TGLS = 2-14]		
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
	[Adenoma TGLS = 5-9]		
	[Atrophy TGLS = 6-9]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 626

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 4-7]		
* Mammary Gland		Galactocele	Marked
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2,7-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 626

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47274

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 627

TRT#: 7

DOSE: 1000 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 656

HISTO: 47275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Eye	Cornea	Fibrosis	Moderate
* Kidney		Infarct	
		Nephropathy	Mild
[Infarct TGLS = 5-7]			
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Skin		Squamous Cell Carcinoma	
		Ulcer	Marked
[Squamous Cell Carcinoma TGLS = 4-15]			
[Ulcer TGLS = 4-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 627

TRT#: 7

SEX: Male

DAY ON TEST: 656

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47275

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Skin Squamous Cell Carcinoma;Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 628

TRT#: 7

SEX: Male

DAY ON TEST: 519

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Infarct	
		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
		Thrombosis	Marked
[Infarct TGLS = 2-7]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 628

TRT#: 7

SEX: Male

DAY ON TEST: 519

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47276

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

[Adenoma TGLS = 4-9]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Kidney Infarct

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 629

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 630

TRT#: 7

DOSE: 1000 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 401

HISTO: 47278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Larynx		Foreign Body	Marked
		Inflammation	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-16]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Stomach, Forestomach		Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 6-10]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 684

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain	Cerebrum	Demyelination	Focal, Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Leukemia Mononuclear	
* Kidney	Papilla	Infarct	
		Mineralization	Minimal
		Nephropathy	Moderate
[Infarct TGLS = 6-7]			
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 684

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47279

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

[Erosion TGLS = 9-10]

Erosion

Minimal

* Testes

[Adenoma TGLS = 4,8-9]

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 632

TRT#: 7

SEX: Male

DAY ON TEST: 200

DOSE: 1000 PPM

DISP: Accidentally Killed

HISTO: 47280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain [Hemorrhage TGLS = 3-1]	Meninges	Hemorrhage	Minimal
* Kidney		Nephropathy	Minimal
* Lung [Hemorrhage TGLS = 2-4+5]		Hemorrhage	Marked

PRIMARY CAUSE OF DEATH

- Lung Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Brain Meninges Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 633

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Benign TGLS = 8-7]		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Pituitary Gland [Adenoma TGLS = 3-10]		Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-9]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 634

TRT#: 7

DOSE: 1000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Skin		Hyperkeratosis	Marked
[Hyperkeratosis TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 635

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Complex	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Marked
	Atrium	Thrombosis	Moderate
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Angiectasis	Marked
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Thrombosis	Marked
		[Leukemia Mononuclear TGLS = 8-6]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-14]	
Mesentery		Necrosis	Moderate
		[Necrosis TGLS = 9-17]	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
Peritoneum		Mesothelioma Malignant	
		[Mesothelioma Malignant TGLS = 10-17]	
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 635

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47283

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear Necrosis	Marked
[Leukemia Mononuclear TGLS = 6-16]			
[Necrosis TGLS = 7-16]			
* Testes	Bilateral, Interstit Cell Tunic	Adenoma Mesothelioma Malignant	
[Adenoma TGLS = 5-9]			
[Mesothelioma Malignant TGLS = 4-15]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 2-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 636

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye	Sclera	Metaplasia	Osseous, Moderate
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Mild
* Larynx		Inflammation	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Hyperplasia TGLS = 3-5]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 637

TRT#: 7

DOSE: 1000 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 646

HISTO: 47285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 8-7]			
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Leukemia Mononuclear	
		Mineralization	Minimal
[Leukemia Mononuclear TGLS = 10-7]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-15]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Skin		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 637	TRT#: 7	SEX: Male	DAY ON TEST: 646
	DOSE: 1000 PPM	DISP: Moribund Sacrifice	HISTO: 47285

ORGAN AND ACCOUNTABLE SITE STATUS

[Keratoacanthoma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-14]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 7

DOSE: 1000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 47286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Islets, Pancreatic		Carcinoma	
* Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 7-7]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-15]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-16]			
* Prostate		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47286

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 6-14]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 4-9]	Bilateral, Interstit Cell Tunic	Adenoma Mesothelioma Malignant
* Thyroid Gland	C Cell	Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 639

TRT#: 7

SEX: Male

DAY ON TEST: 688

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* 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	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Carcinoma	Metastatic (Kidney)
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Kidney	Renal Tubule	Carcinoma	
	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
Note: Multiple mets; but see note under thyroid; clear diff dx is C cell CA in thyroid and neck LNs. [Carcinoma TGLS = 8-17]			
* Liver		Carcinoma	Metastatic (Kidney)
		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
[Carcinoma TGLS = 5,6-6+15]			
* Lung		Carcinoma	Metastatic (Kidney)
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 2-16]			
* Lymph Node, Mediastinal		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 4-3]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 639	TRT#: 7	SEX: Male	DAY ON TEST: 688
	DOSE: 1000 PPM	DISP: Moribund Sacrifice	HISTO: 47287

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10] [Cyst TGLS = 3-10] * Spleen		Cyst	Marked
[Leukemia Mononuclear TGLS = 7-14] * Testes	Bilateral, Interstit Cell Germinal Epith	Accessory Spleen Leukemia Mononuclear Adenoma Atrophy	Moderate
[Adenoma TGLS = 10-9] [Atrophy TGLS = 9-9] * Thyroid Gland		Carcinoma	Metastatic (Kidney)

Note: Clearly diff dx for metastatic renal CA in thyroid and neck LN is C Cell carcinoma. Dx of renal ca is based on central necrosis ("comedo" effect).

[Carcinoma TGLS = 1-3]

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 7

SEX: Male

DAY ON TEST: 660

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Papilla	Leukemia Mononuclear Mineralization Nephropathy	Minimal Minimal
* Larynx	Epiglottis	Hyperplasia	Minimal
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Minimal
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Deep Cervical	Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15]			
[Leukemia Mononuclear TGLS = 2-16]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 9-16]			
* Nose	Olfactory Epi Olfactory Epi	Degeneration Hyperplasia	Minimal Basal Cell, Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 640

TRT#: 7

SEX: Male

DAY ON TEST: 660

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47288

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4,5-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-9]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 641

TRT#: 7

DOSE: 1000 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 47289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* 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	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Hyperplasia	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6]	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-14]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 1-10]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-14]	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 641

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47289

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 642

TRT#: 7

SEX: Male

DAY ON TEST: 628

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* 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
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Eye	Cornea	Hyperplasia	Squamous, Mild
* Kidney	Bilateral	Infarct	Multiple
		Nephropathy	Mild
	[Infarct TGLS = 5,7-7]		
* Larynx		Inflammation	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-8]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 9-14]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 642

TRT#: 7

SEX: Male

DAY ON TEST: 628

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47290

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-6]

[Necrosis TGLS = 4-6]

* Testes

[Adenoma TGLS = 6-9]

Bilateral, Interstit Cell

Necrosis

Marked

Adenoma

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Kidney Bilateral Infarct

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 643

TRT#: 7

SEX: Male

DAY ON TEST: 367

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Preputial Gland		Cyst	Marked
		Hyperplasia	Moderate
[Cyst TGLS = 2-16]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Hyperplasia	Mild
* Urinary Bladder		Hemorrhage	Marked
	Transit Epithe	Hyperplasia	Moderate
[Hemorrhage TGLS = 1-14]			

PRIMARY CAUSE OF DEATH	- Preputial Gland Cyst
CONTRIBUTORY CAUSE OF DEATH	- Preputial Gland Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 644

TRT#: 7

SEX: Male

DAY ON TEST: 600

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Papilla	Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Leukemia Mononuclear	
		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 1-4+5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:39
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 644

TRT#: 7

SEX: Male

DAY ON TEST: 600

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47292

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 645

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Papilla	Mineralization Nephropathy	Minimal Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
* Lung		Inflammation Leukemia Mononuclear	Chronic, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 646

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 3-4+5]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Minimal
	Goblet Cell	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 5-10]		
* Prostate		Inflammation	Suppurative, Minimal
* Skin		Basal Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:39

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 646

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47294

ORGAN AND ACCOUNTABLE SITE STATUS

[Basal Cell Carcinoma TGLS = 6-16]

[Ulcer TGLS = 6-16]

* Spleen

[Leukemia Mononuclear TGLS = 2-14]

* Testes

[Adenoma TGLS = 1-9]

Bilateral, Interstit Cell

Ulcer

Moderate

Leukemia Mononuclear

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 647

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* 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	* Larynx
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Marked
			[Nephropathy TGLS = 5-7]
* Liver		Hepatodiaphragmatic Nodule	Marked
	Bile Duct	Hyperplasia	Minimal
			[Hepatodiaphragmatic Nodule TGLS = 4-16]
* Lung	Alveolar Epith	Hyperplasia	Marked
		Inflammation	Chronic, Moderate
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
			[Fibroadenoma TGLS = 1-15]
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
			[Adenoma TGLS = 6-10]
Pleura		Inflammation	Chronic, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 647

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47295

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2,3-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 648

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 47296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 4-6]			
* Skin		Ulcer	Marked
[Ulcer TGLS = 2-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 649

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* 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, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Kidney		Nephropathy	Moderate
* Larynx		Inflammation	Chronic, Moderate
* Liver		Clear Cell Focus	
* Lymph Node, Mediastinal		Pigmentation	Moderate
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 650

TRT#: 7

SEX: Male

DAY ON TEST: 579

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Bilateral	Infarct	
	Papilla	Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Mild
[Infarct TGLS = 6,9-17+18]			
* Larynx		Foreign Body	Marked
		Inflammation	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 5-6,7-14]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 8-16]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 650	TRT#: 7	SEX: Male	DAY ON TEST: 579
	DOSE: 1000 PPM	DISP: Moribund Sacrifice	HISTO: 47298

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 4-7]			
[Leukemia Mononuclear TGLS = 3-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	Follicle	Cyst	Moderate
[Cyst TGLS = 1-3]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney Bilateral Infarct

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 101

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 618

HISTO: 47199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney [Nephropathy TGLS = 4-7]		Nephropathy	Moderate
* Liver [Vacuolization Cytoplasmic TGLS = 5,6-6]		Vacuolization Cytoplasmic	Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Carcinoma TGLS = 2-15]		Carcinoma	
Mesentery [Necrosis TGLS = 3-14]		Necrosis	Moderate
* Pituitary Gland [Adenoma TGLS = 1-10]		Adenoma	
* Stomach, Forestomach		Ulcer	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma
 CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 102

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 3-9]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Mild
* Liver		Angiectasis	Moderate
[Angiectasis TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 103

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Epithelium	Hyperplasia	Minimal
[Hyperplasia TGLS = 3-7]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 104

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 688

HISTO: 47202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Renal Tubule	Degeneration	Marked
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Liver			
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-15+16]		
* Nose	Olfactory Epi	Degeneration	Minimal
		Foreign Body	
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Ovary		Cyst	Moderate
* Pituitary Gland		Cyst	Marked
		Hyperplasia	Marked
		Leukemia Mononuclear	
	[Cyst TGLS = 3-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 688

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47202

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-14]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 105

TRT#: 2

SEX: Female

DAY ON TEST: 568

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Glioma Malignant	
Note: This is a mixed oligo and astrocytoma, malignant.			
[Glioma Malignant TGLS = 4,5-1+14]			
* Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Minimal
* Nose	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH - Brain Glioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 106

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	Multiple
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-7]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 107

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland		Carcinoma Inflammation	Chronic, Marked
[Carcinoma TGLS = 1-14] [Inflammation TGLS = 2-9]			
* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Minimal
* Liver		Basophilic Focus Leukemia Mononuclear	Multiple
* Lymph Node, Mesenteric Mesentery		Leukemia Mononuclear Necrosis	Moderate
[Necrosis TGLS = 5-15]			
* Pituitary Gland		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 108

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 687

HISTO: 47206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Glandular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain		Compression	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,4-14+15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Pituitary Gland		Adenoma	
		Hemorrhage	Marked
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 16

DOSE: CONTROL

DISP: Accidentally Killed

HISTO: 47207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lung	* Lymph Node, Mediastinal	* 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	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 110

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 722

HISTO: 47208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Rectum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Marked
* Brain		Compression	Marked
* Eye	Cerebrum	Infiltration Cellular	Mononuclear CI, Focal, Mild
	Retina	Atrophy	Moderate
	Lens	Cataract	Marked
[Cataract TGLS = 2-13]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLS = 1-14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-7]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 110

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Natural Death

DAY ON TEST: 722
HISTO: 47208

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 111

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Marked
	[Cataract TGLS = 2-13]		
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Pelvis, Transit Epithe	Mineralization	Moderate
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 5-15]		
* Ovary		Cyst	Marked
	[Cyst TGLS = 4-9]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 111

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47209

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 112

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Eye	Lens	Cataract	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Ovary		Cyst	Marked
[Cyst TGLS = 1-9]			
* Pituitary Gland		Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 113

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 662

HISTO: 47211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Vacuolization Cytoplasmic	Mild
[Clear Cell Focus TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 114

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Clitoral Gland		Fibrosarcoma	
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Pituitary Gland		Hyperplasia	Moderate
Pleura		Inflammation	Chronic, Minimal
* Uterus		Polyp Stromal	

[Polyp Stromal TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 115

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Moderate
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-9]			
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-14+15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-7]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 116

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 521

HISTO: 47214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Rectum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Brain		Hemorrhage	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 3-10]			
* Uterus	Serosa	Hemangioma	
[Hemangioma TGLS = 2-14+15]		Hemorrhage	Marked
[Hemorrhage TGLS = 2-14+15]			

PRIMARY CAUSE OF DEATH

- Uterus Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Adenoma;Uterus Serosa Hemangioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 117

TRT#: 2

SEX: Female

DAY ON TEST: 460

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Angiectasis	Marked
		Basophilic Focus	
[Angiectasis TGLS = 3-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		[Fibroadenoma TGLS = 1,4-14+15+16+17]	
* Pituitary Gland		Hyperplasia	Minimal
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 118

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Cyst	Marked
		Hyperplasia	Moderate
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLS = 1-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 119

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 5-9]		
* Pituitary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 1-10]		
Pleura		Inflammation	Chronic, Minimal
	[Inflammation TGLS = 2-5]		
Skeletal Muscle		Infiltration Cellular	Lipocyte, Marked
	Note: TGL 4 has the gross and microscopic appearance of a herniation of peritoneal cavity fat into the inguinal musculature, i.e., an inguinal hernia.		
	[Infiltration Cellular TGLS = 4-14]		
* Spleen		Leukemia Mononuclear	
* Thymus		Thymoma Benign	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 119

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 47217

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 120

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Clear Cell Focus	Multiple
* Lung		Inflammation	Chronic, Mild
[Inflammation TGLS = 4-4]			
* Mammary Gland		Carcinoma	Multiple
		Fibroadenoma	
[Carcinoma TGLS = 1,3-14+15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 121

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Stomach, Forestomach		Ulcer	Marked
* Uterus		Necrosis	Marked
		Polyp Stromal	
[Necrosis TGLS = 2-14]			
[Polyp Stromal TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 122

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 579

HISTO: 47220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain		Hemorrhage	Marked
* Eye	Lens	Cataract	Minimal
[Cataract TGLS = 1-13]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	Multiple
[Clear Cell Focus TGLS = 3,4-7+14]			
* Pituitary Gland		Adenoma	
		Hemorrhage	Marked
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 123

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Marked
		Thrombosis	Mild
[Hepatodiaphragmatic Nodule TGLS = 4-14]			
* Lung	Alveolar Epith	Hyperplasia	Marked
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 124

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 718

HISTO: 47222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
		Leukemia Mononuclear	
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 6-15]		
* Ovary		Cyst	Marked
	[Cyst TGLS = 3-9]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14]		
* Uterus	Cervix, Myometrium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 124

TRT#: 2

SEX: Female

DAY ON TEST: 718

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47222

ORGAN AND ACCOUNTABLE SITE STATUS

Note: 5 step sections of cervix; no change.

[Hyperplasia TGLS = 4-14]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* 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	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Clitoral Gland		Hyperplasia Inflammation	Marked Chronic, Marked
[Hyperplasia TGLS = 4-9] [Inflammation TGLS = 4-9]			
* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Inflammation	Minimal Mild Chronic, Minimal
* Larynx	Epiglottis	Metaplasia	Squamous, Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Leukemia Mononuclear Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-14+15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Marked
[Hyperplasia TGLS = 6-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47223

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 126

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 585

HISTO: 47224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Rectum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Adrenal Medulla	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Nose			

OBSERVATIONS

* Brain		Hemorrhage	Moderate
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-7]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Cervix, Myometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 127

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 439

HISTO: 47225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye [Inflammation TGLS = 3-13]	Inflammation	Suppurative, Marked
* Liver	Basophilic Focus Vacuolization Cytoplasmic Hyperplasia	Mild Lymphoid, Marked
* Lymph Node, Bronchial [Hyperplasia TGLS = 2-4]		
Oral Mucosa	Inflammation	Suppurative, Moderate
Skeletal Muscle [Rhabdomyosarcoma TGLS = 4-14]	Rhabdomyosarcoma	
* Spleen	Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Eye Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 128

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 607

HISTO: 47226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary		Cyst	Marked
[Cyst TGLS = 3-9]			
* Pituitary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 129

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe Pelvis, Transit Epithe	Hyperplasia Mineralization Nephropathy	Mild Minimal Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-14]		Fibroadenoma	
Mesentery [Necrosis TGLS = 4-7]		Necrosis	Moderate
* Ovary [Cyst TGLS = 3-9]		Cyst	Marked
* Pituitary Gland [Adenoma TGLS = 2-10]		Adenoma	
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 130

TRT#: 2

SEX: Female

DAY ON TEST: 712

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 3-7]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 4,5-14+15]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 2-14]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 131

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Brain		Astrocytoma Malignant Hemorrhage	Marked
[Astrocytoma Malignant TGLS = 5-1]			
[Hemorrhage TGLS = 5-1]			
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-9]			
* Kidney		Leukemia Mononuclear Nephropathy	Mild
[Leukemia Mononuclear TGLS = 6-7]			
[Nephropathy TGLS = 6-7]			
* Liver		Basophilic Focus Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular Fibroadenoma	Marked Histiocyte, Minimal Multiple
* Mammary Gland			
[Fibroadenoma TGLS = 2,3-15+14]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 131

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47229

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 132

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 660

HISTO: 47230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* 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, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Larynx		Foreign Body	Marked
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Marked
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 2-6]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 4-14]		
* Ovary		Cyst	Marked
	[Cyst TGLS = 1-9]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Ulcer	Marked
	[Ulcer TGLS = 5-10]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 133

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland		Cyst	Moderate
		Hyperplasia	Marked
[Cyst TGLS = 1-9]			
[Hyperplasia TGLS = 1-9]			
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 133

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47231

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Bile Stasis	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 3-6]			
* Mammary Gland		Galactocele	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 135

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 714

HISTO: 47233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Heart [Thrombosis TGLS = 1-6]	Atrium	Thrombosis	Marked
* Kidney		Nephropathy	Minimal
* Liver [Necrosis TGLS = 3-6]		Necrosis	Marked
* Lung	Bronchiole Alveolus	Hyperplasia Infiltration Cellular Adenoma	Mild Histiocyte, Minimal
* Pituitary Gland [Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
* Stomach, Forestomach		Ulcer	Moderate
* Stomach, Glandular [Erosion TGLS = 5-10]		Erosion	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis; Liver Necrosis; Stomach; Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 136 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 638
DOSE: CONTROL **DISP:** Moribund Sacrifice **HISTO:** 47234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 8,9-1]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-4+5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-18]			
* Nose	Globet Cell	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 136	TRT#: 2 DOSE: CONTROL	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 638 HISTO: 47234
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 5,6,12-14+15]	Leukemia Mononuclear	
* Stomach, Forestomach [Ulcer TGLS = 13-10]	Ulcer	Marked
* Stomach, Glandular [Leukemia Mononuclear TGLS = 14-17]	Leukemia Mononuclear	
* Thymus [Leukemia Mononuclear TGLS = 2-3]	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain	Hemorrhage;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 137

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	Multiple
[Carcinoma TGLS = 2,3-15+16]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Fibrosis	Marked
[Fibrosis TGLS = 4-14]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 138

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Mild
* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-7+9]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-9+14]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 141

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-10]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Mild
* Larynx		Inflammation	Suppurative, Moderate
* Liver		Leukemia Mononuclear	
* Ovary		Atrophy	Marked
		Granulosa Cell Tumor Malignant	
	[Granulosa Cell Tumor Malignant TGLS = 1-9]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 143

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 640

HISTO: 47241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Hyperplasia	Moderate
		Nephropathy	Minimal
* Liver		Necrosis	Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-14+15+16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary		Cyst	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
Ureter	Transit Epithe	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 144

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Vacuolization Cytoplasmic	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
	Alveolar Epith	Metaplasia	Squamous, Moderate
	[Metaplasia TGLS = 2-4]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
Pleura		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 1-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 144

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 47242

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 145

TRT#: 2

SEX: Female

DAY ON TEST: 9

DOSE: CONTROL

DISP: Natural Death

HISTO: 47243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Larynx | * Liver |
| * Lung | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- | | |
|--------------------------|---------------------------|
| * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
|--------------------------|---------------------------|

OBSERVATIONS

- | | | |
|----------------------------|--------------|------------------|
| * Lymph Node, Bronchial | Angiectasis | Marked |
| | Congestion | Marked |
| [Angiectasis TGLS = 2-4] | | |
| [Congestion TGLS = 2-4] | | |
| * Lymph Node, Mesenteric | Congestion | Marked |
| Pleura | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 146

TRT#: 2

SEX: Female

DAY ON TEST: 176

DOSE: CONTROL

DISP: Accidentally Killed

HISTO: 47244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone Marrow | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Liver | * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * 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 |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------|----------------|---------|
| * Bone | Maxilla | Fracture | |
| [Fracture TGLS = 4-14] | | | |
| * Brain | | Hemorrhage | Marked |
| * Kidney | Papilla | Mineralization | Minimal |
| * Lung | | Hemorrhage | Marked |

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 147

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
	[Clear Cell Focus TGLS = 1-7]		
* Ovary		Cyst	Moderate
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Skin		Hyperkeratosis	Moderate
	[Hyperkeratosis TGLS = 3-14]		
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 148

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 702

HISTO: 47246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Mammary Gland		Galactocele	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 149

TRT#: 2

SEX: Female

DAY ON TEST: 508

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 47247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Mediastinal	* 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

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Marked
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-14]			
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Pituitary Gland		Cyst	Mild
[Cyst TGLS = 1-10]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-16]			

PRIMARY CAUSE OF DEATH - Spleen Hematopoietic Cell Proliferation

Animal Note: TGL 5 = NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 150

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 47248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 1-13]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 301

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Papilla	Mineralization	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-16]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Skin		Hyperkeratosis	Moderate
* Spleen		Leukemia Mononuclear	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 302

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 537

HISTO: 47500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Intestine Small, Ileum [Necrosis TGLS = 2-15]	Necrosis	Marked
* Intestine Small, Jejunum Note: intussusception of jejunum into ileum [Diverticulum TGLS = 1,2-14+15]	Diverticulum	Marked
* Liver	Vacuolization Cytoplasmic	Minimal
* Nose	Foreign Body	
* Pituitary Gland [Cyst TGLS = 5-10]	Cyst	Moderate
* Stomach, Forestomach	Hyperplasia Ulcer	Squamous, Moderate Marked
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Intestine Small, Ileum Necrosis

CONTRIBUTORY CAUSE OF DEATH - Intestine Small;Jejunum Diverticulum;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 303

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-7]			
* Ovary		Cyst	Marked
[Cyst TGLS = 3-9]			
* Pituitary Gland		Hyperplasia	Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 304

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 6-16]		
	[Leukemia Mononuclear TGLS = 7,8-6+15+16]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Bronchial			
	[Leukemia Mononuclear TGLS = 2-14]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,9-17+18]		
* Pituitary Gland		Cyst	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 304

TRT#: 4
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 47502

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 435

DOSE: 100 PPM

DISP: Natural Death

HISTO: 47503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Islets, Pancreatic | * Kidney | * Larynx | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- | | | |
|-------------------------|--------------------------|---------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
|-------------------------|--------------------------|---------------------------|

AUTO PRECLUDES DIAG.

- | | | | |
|--------------------------|-----------------------------|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|--------------------------|-----------------------------|--------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|---|-------------|----------------------------------|--------|
| * Pituitary Gland
[Adenoma TGLS = 1-10] | | Adenoma | |
| * Skin
[Fibrosarcoma TGLS = 2-14+15]
[Ulcer TGLS = 2-14+15] | Subcut Tiss | Fibrosarcoma
Ulcer | Marked |
| * Spleen | | Hematopoietic Cell Proliferation | Marked |
| * Uterus | | Polyp Stromal | |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

CONTRIBUTORY CAUSE OF DEATH - Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 306 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 557
DOSE: 100 PPM **DISP:** Moribund Sacrifice **HISTO:** 47504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Necrosis	Marked
Blood Vessel		Infiltration Cellular	Polymorphnuclr, Marked
* Larynx		Foreign Body	Marked
	Respirat Epith	Hyperplasia	Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 4-14]			
* Lung		Infiltration Cellular	Polymorphnuclr, Marked
* Mammary Gland		Carcinoma	
		Galactoceles	Marked
		Inflammation	Suppurative, Marked
[Carcinoma TGLS = 3-15]			
[Galactoceles TGLS = 3-15]			
* Nose		Inflammation	Suppurative, Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium, Muscularis	Inflammation	Suppurative, Marked
* Stomach, Glandular		Ulcer	Marked
[Ulcer TGLS = 6-14]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Inflammation;Stomach;Glandular Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 557

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47504

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 688

DOSE: 100 PPM

DISP: Natural Death

HISTO: 47505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Ovary		Granulosa Cell Tumor Benign	
[Granulosa Cell Tumor Benign TGLS = 1-9]			
* Pituitary Gland		Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 308

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Liver		Basophilic Focus	
* Lung	Mediastinum	Sarcoma Stromal	Metastatic (Uterus)
Mesentery		Necrosis	Moderate
		Sarcoma Stromal	Metastatic (Uterus)
[Necrosis TGLS = 3-7]			
[Sarcoma Stromal TGLS = 1,3-14+7]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 2,4-15+16+17]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
* Kidney	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Galactocele	Minimal
* Pituitary Gland		Cyst	Mild
		Hyperplasia	Mild

[Cyst TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 310

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Clitoral Gland		Hyperplasia	Marked
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 1-13]			
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3,4,5-14+15+16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 7-7]			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
* Ovary		Cyst	Moderate
[Cyst TGLS = 6-9]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47508

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 311

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 610

HISTO: 47509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hemorrhage	Marked
		Pheochromocytoma Malignant	
	[Hemorrhage TGLS = 2-14]		
	[Pheochromocytoma Malignant TGLS = 2-14]		
* Kidney	Capsule	Hemorrhage	Marked
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
	[Hemorrhage TGLS = 2-14]		
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Lung	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	[Hyperplasia TGLS = 1-7]		
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant
 CONTRIBUTORY CAUSE OF DEATH - Adrenal Medulla Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 610

DOSE: 100 PPM

DISP: Natural Death

HISTO: 47509

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 660

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Marked
		Hemorrhage	Marked
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Bronchial		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 2-14]			
* Pancreas	Duct	Cyst	Marked
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-14]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 313

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-9]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-14]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
[Inflammation TGLS = 4-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47512

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 315

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 721

HISTO: 47513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Pituitary Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Brain [Hemorrhage TGLS = 4-1]		Hemorrhage	Marked
* Kidney [Dilatation TGLS = 5-7]	Pelvis	Dilatation	Mild
* Liver [Clear Cell Focus TGLS = 2-6]		Clear Cell Focus Leukemia Mononuclear	
* Lung Mesentery [Necrosis TGLS = 3-7]	Alveolar Epith	Hyperplasia Necrosis	Marked Moderate
* Pituitary Gl Note: pituitary lost during processing.			
* Spleen		Leukemia Mononuclear	
* Uterus [Polyp Stromal TGLS = 6-10]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 316

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 715

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Cortex	Infarct	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 4-14]		
* Pituitary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 1-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Ulcer	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 318

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,5-14+15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-15]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hemorrhage	Marked
		Hyperplasia	Moderate
[Hemorrhage TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 319

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 649

HISTO: 47517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Carcinoma	Metastatic (Thyroid Gland)
	Bronchiole	Foreign Body	
		Inflammation	Granulomatous, Moderate
[Carcinoma TGLS = 5-4]			
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 4-16]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
[Carcinoma TGLS = 1-14]			

PRIMARY CAUSE OF DEATH - Thyroid Gland C Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 319

TRT#: 4

SEX: Female

DAY ON TEST: 649

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47517

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 642

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14+15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-16]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Uterus |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

INSUFFICIENT TISSUE

- * Lymph Node, Mediastinal

OBSERVATIONS

- | | | |
|-------------------------------------|----------------------|----------|
| * Kidney | Nephropathy | Minimal |
| * Liver | Basophilic Focus | Multiple |
| | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-6] | | |
| * Pituitary Gland | Adenoma | |
| [Adenoma TGLS = 1-10] | | |
| * Spleen | Leukemia Mononuclear | |
| * Thyroid Gland | C Cell | |
| * Urinary Bladder | Transit Epithe | |
| [Carcinoma TGLS = 3-14] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Brain		Compression	Marked
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
	[Clear Cell Focus TGLS = 6-6]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,3,4-14+15+9]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 5-7]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 561

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Moderate
* Brain		Compression	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 1-14]		
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Basophilic Focus	Minimal Mild
* Liver			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 663

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
* Liver		Leukemia Mononuclear	
		Necrosis	Marked
		[Leukemia Mononuclear TGLS = 4,8-6]	
		[Necrosis TGLS = 5,6-6+7]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-3]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Marked
		[Cyst TGLS = 3-10]	
* Spleen		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder	Serosa	Edema	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 5-16]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 3,4-14+15]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 6-10]		
* Skin		Cyst Epithelial Inclusion	Marked
	[Cyst Epithelial Inclusion TGLS = 2-15]		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-10]			
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 328

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 3-14]			
* Eye	Sclera	Metaplasia	Osseous, Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Pelvis, Transit Epithe	Mineralization	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,4,5-15+16+17+18]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 6-10]			
Pleura		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Inflammation	Granulomatous, Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47526

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 47527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Basophilic Focus	Minimal Mild
* Liver			
* Lung	Bronchiole	Inflammation Fibroadenoma	Chronic, Moderate
* Mammary Gland			
[Fibroadenoma TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2,3-14+15]			
* Nose	Olfactory Epi	Hyperplasia Adenoma	Basal Cell, Minimal
* Pituitary Gland			
[Adenoma TGLS = 5-10]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 330

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 652

HISTO: 47528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 6-7]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Goblet Cell	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 590

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 2-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14+15+16+17]		
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 332

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular	Marked Histiocyte, Minimal
[Hyperplasia TGLS = 4-7]			
* Nose	Olfactory Epi Respirat Epith	Degeneration Degeneration	Hyaline, Mild Hyaline, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
[Inflammation TGLS = 5-5]			
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-14]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 683

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLS = 5-7]		
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
	[Fibroadenoma TGLS = 1,2-14+15]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
* Stomach, Forestomach		Ulcer	Marked
	[Ulcer TGLS = 6-10]		
* Thymus		Cyst	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 10-1]			
* Kidney		Leukemia Mononuclear	
	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
[Leukemia Mononuclear TGLS = 1-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 8,9-16+7]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland		Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47532

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4,5,11-14+15]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 335

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 495

HISTO: 47533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Larynx	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Intestine Small, Jejunum	Diverticulum	Marked
Note: intussusception found at necropsy		
[Diverticulum TGLS = 4-15]		
* Liver	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]		
* Lung	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,7-4+5+15]		
* Lymph Node, Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]		
* Nose	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]		
* Uterus	Endometrium	Hyperplasia
[Hyperplasia TGLS = 8-10]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 336	TRT#: 4	SEX: Female	DAY ON TEST: 684
	DOSE: 100 PPM	DISP: Natural Death	HISTO: 47534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Harderian Gland	* Islets, Pancreatic
* Larynx	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose

OBSERVATIONS

* Brain		Hemorrhage	Moderate
* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 3-6]			
* Kidney	Papilla	Mineralization	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-15+16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 336

TRT#: 4
DOSE: 100 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 684
HISTO: 47534

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 337

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 47535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Kidney	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15+16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-16]			
* Nose		Foreign Body	
		Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 6-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-17]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 338

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Compression	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
		[Clear Cell Focus TGLS = 2-6]	
		[Leukemia Mononuclear TGLS = 4-6]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		[Carcinoma TGLS = 1-14]	
* Pituitary Gland		Carcinoma	
		[Carcinoma TGLS = 3-10]	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 712

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Liver		Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear Fibroadenoma	Histiocyte, Minimal
* Mammary Gland			
[Fibroadenoma TGLS = 1-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-14]			
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 340

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 341

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 662

HISTO: 47539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 3-16]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,4,5-14+15+17+18]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 342

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Spleen		Accessory Spleen	Marked
	[Accessory Spleen TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 343

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 722

HISTO: 47541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Clitoral Gland [Hyperplasia TGLS = 1-9]		Hyperplasia	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Minimal
* Liver		Leukemia Mononuclear	
* Mammary Gland [Adenoma TGLS = 3-15] [Fibroadenoma TGLS = 2-14,7-16]		Adenoma Fibroadenoma	Multiple
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland [Adenoma TGLS = 4-10]		Adenoma	
* Spleen		Leukemia Mononuclear	
* Uterus [Hyperplasia TGLS = 5-16]	Myometrium	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 344

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 1-9+14]		Carcinoma	
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic, Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 2-15]		Fibroadenoma	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland		Adenoma	
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 345

TRT#: 4

DOSE: 100 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-4]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-15+16+17+18]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 6-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 345	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 100 PPM	DISP: Terminal Sacrifice	HISTO: 47543

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue [Hyperplasia TGLS = 4-14]	Epithelium	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-15+16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 8-17]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-14]			
* Uterus		Polyp Stromal	Multiple
[Polyp Stromal TGLS = 5-10]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47544

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 347 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 682
DOSE: 100 PPM **DISP:** Moribund Sacrifice **HISTO:** 47545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Heart	Pericardium	Histiocytic Sarcoma	
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Histiocytic Sarcoma	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-15+16+17]	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Mild
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 4-10]	
Skeletal Muscle		Histiocytic Sarcoma	
		[Histiocytic Sarcoma TGLS = 3-14]	
* Skin	Subcut Tiss	Histiocytic Sarcoma	
		[Histiocytic Sarcoma TGLS = 3-14]	
* Spleen		Histiocytic Sarcoma	
* Thymus		Histiocytic Sarcoma	

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 621

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Moderate
* Liver [Leukemia Mononuclear TGLS = 3-6]	Leukemia Mononuclear	
* Lung	Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLS = 4-14]	Fibroadenoma	
* Pituitary Gland [Cyst TGLS = 1-10]	Cyst	Moderate
* Spleen [Leukemia Mononuclear TGLS = 2-14]	Leukemia Mononuclear	
* Stomach, Forestomach	Ulcer	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 537

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain	Cerebellum	Hydrocephalus	Marked
* Liver		Angiectasis	Marked
		Basophilic Focus	
[Angiectasis TGLS = 3-6]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Stomach, Forestomach		Diverticulum	Marked
		Hyperplasia	Squamous, Marked
		Ulcer	Marked
[Diverticulum TGLS = 4-14]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma
 CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 600

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 47548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Vagina

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Liver	Basophilic Focus
* Mammary Gland	Fibroadenoma
[Fibroadenoma TGLS = 3-14]	
* Pituitary Gland	Adenoma
[Adenoma TGLS = 1-10]	
* Uterus	Polyp Stromal
[Polyp Stromal TGLS = 2-14]	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 502

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	Multiple
		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 4-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Mammary Gland		Carcinoma	Multiple
		Fibroadenoma	
	[Carcinoma TGLS = 1-15,3-17]		
	[Fibroadenoma TGLS = 2-16]		
* Nose	Olfactory Epi	Degeneration	Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 5-10]		
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47400

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 503

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Eye	Lens	Cataract	Marked
	Lens	Mineralization	Marked
[Cataract TGLS = 2-13]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 503

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47401

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10]

Pleura

Inflammation

Chronic, Minimal

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 504

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Serosa	Fibrosis	Mild
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Ovary		Cyst	Marked
[Cyst TGLS = 2-9]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Tongue	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 505

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 647

HISTO: 47403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Liver		Basophilic Focus	Multiple
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15+16]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Skin		Basal Cell Carcinoma	
		Ulcer	Marked
[Basal Cell Carcinoma TGLS = 3-17]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Skin Basal Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Adenoma;Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 646

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Hemorrhage	Moderate
	[Hemorrhage TGLS = 6-15]		
* Ovary		Cyst	Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 5-10]		
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,2,3-14+15]		
* Stomach, Forestomach		Ulcer	Marked
* Stomach, Glandular		Ulcer	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 506	TRT#: 6	SEX: Female	DAY ON TEST: 646
	DOSE: 300 PPM	DISP: Moribund Sacrifice	HISTO: 47404

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 7-16]

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Glandular Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 507

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* 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, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-7]			
* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Moderate
* Larynx		Foreign Body	Marked
	Respirat Epith	Hyperplasia	Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
[Fibroadenoma TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 507

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47405

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 508

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Liver		Basophilic Focus	Multiple
* Nose	Glands	Dilatation	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Ovary		Cyst	Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 509

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
[Infiltration Cellular TGLS = 2-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 510

TRT#: 6
DOSE: 300 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 47408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Moderate
		Basophilic Focus	
[Angiectasis TGLS = 4-15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
[Fibroadenoma TGLS = 2-15]			
[Galactocele TGLS = 5-9]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-14]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 511

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 512

TRT#: 6

SEX: Female

DAY ON TEST: 683

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Hemorrhage	Marked
* Kidney		Leukemia Mononuclear	
	Pelvis, Transit Epithe	Mineralization	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2-15+16+17]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-14]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage; Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 513

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Kidney		Nephropathy	Mild
* Larynx	Respirat Epith	Metaplasia	Squamous, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2-5]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 514

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Vacuolization Cytoplasmic	Mild
		Carcinoma	
* Clitoral Gland [Carcinoma TGLS = 2-14]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Ovary [Cyst TGLS = 3-9]		Cyst	Moderate
* Pituitary Gland [Adenoma TGLS = 1-10]		Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 515

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 516

TRT#: 6

SEX: Female

DAY ON TEST: 614

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Vacuolization Cytoplasmic	Mild
* Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,3-14+15]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 7-17]		
* Nose	Goblet Cell	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland		Adenoma	
		Hemorrhage	Marked
	[Adenoma TGLS = 4-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 516	TRT#: 6	SEX: Female	DAY ON TEST: 614
	DOSE: 300 PPM	DISP: Moribund Sacrifice	HISTO: 47414

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 5-16]	

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Adenoma;Pituitary Gland Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 517

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 2-14]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 518

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 3-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 519

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Pituitary Gland		Hyperplasia	Marked
* Uterus		Hemorrhage	Marked
	Endometrium	Hyperplasia	Marked
		Thrombosis	Marked

[Thrombosis TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 520

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Clitoral Gland [Hyperplasia TGLS = 4-9]		Hyperplasia	Marked
* Liver [Leukemia Mononuclear TGLS = 5-6]		Basophilic Focus Leukemia Mononuclear	Multiple
* Lung [Hemorrhage TGLS = 2-4+5]		Hemorrhage	Mild
* Mammary Gland [Fibroadenoma TGLS = 3-15]		Fibroadenoma	
Mesentery [Necrosis TGLS = 1,6-7+14]		Necrosis	Moderate
* Pituitary Gland [Adenoma TGLS = 7-10]		Adenoma	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Polyp Stromal TGLS = 8-10]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 521

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 5-9]			
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
* Larynx	Respirat Epith	Hyperplasia	Mild
* Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
[Clear Cell Focus TGLS = 7-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-14+15+16+17+18+19]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 6-7]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 521

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47419

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 522

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 523

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Cyst	Minimal
		Mineralization	Mild
		Nephropathy	
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
* Spleen		Fibrosis	Marked
	[Fibrosis TGLS = 1-6]		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 524

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Hemorrhage	Marked
* Kidney	Cortex	Infarct	Multiple
		Infiltration Cellular	Lipocyte, Minimal
		Leukemia Mononuclear	
[Infarct TGLS = 5,6-7]			
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-9+15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 7-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 524

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47422

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-14]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 525

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
[Inflammation TGLS = 5-5]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 3-14]			
[Fibroadenoma TGLS = 2-15]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 525

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47423

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 526

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 2-6]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3,4-14+15+16]			
* Nose	Olfactory Epi	Degeneration	Mild
	Glands	Dilatation	Minimal
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Suppurative, Mild
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 527

TRT#: 6

SEX: Female

DAY ON TEST: 600

DOSE: 300 PPM

DISP: Natural Death

HISTO: 47425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Clitoral Gland
* Heart
* Larynx
* Nose
* Salivary Glands
* Stomach, Glandular
* Uterus

* Adrenal Medulla
* Esophagus
* Intestine Large, Colon
* Liver
* Ovary
* Skin
* Thymus

* Bone
* Eye
* Intestine Large, Rectum
* Lymph Node, Mesenteric
* Pancreas
* Spleen
* Trachea

* Bone Marrow
* Harderian Gland
* Islets, Pancreatic
* Mammary Gland
* Parathyroid Gland
* Stomach, Forestomach
* Urinary Bladder

MISSING

* Lymph Node, Bronchial

* Lymph Node, Mandibular

* Lymph Node, Mediastinal

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

OBSERVATIONS

* Brain
* Kidney
* Lung

* Pituitary Gland
 [Adenoma TGLS = 1-10]
* Thyroid Gland

Alveolus

C Cell

Compression
Nephropathy
Infiltration Cellular
Inflammation
Adenoma

Hyperplasia

Moderate
Minimal
Histiocyte, Minimal
Chronic, Minimal

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 528

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
	[Clear Cell Focus TGLS = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Bronchial		Hyperplasia	Lymphoid, Marked
	[Hyperplasia TGLS = 1-14]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-14]		
* Nose	Respirat Epith	Foreign Body	
		Hyperplasia	Mild
		Inflammation	Suppurative, Mild
Oral Mucosa	Pharyngeal	Squamous Cell Papilloma	
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 4-10]		
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 528

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47426

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 529

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 2-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-7]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 530

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Cyst	Marked
		Hyperplasia	Marked
[Cyst TGLS = 4-10]			
[Hyperplasia TGLS = 4-10]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3,5-6+14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Lens	Cataract	Marked
	Lens	Mineralization	Marked
[Cataract TGLS = 5-13]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-15]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47429

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-10]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-14]

* Stomach, Forestomach

Hyperplasia

Squamous, Moderate

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 532

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 562

HISTO: 47430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-7]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6,7-4+5+19]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Thoracic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-14]			
[Leukemia Mononuclear TGLS = 15-17]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 16-8]			
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 1-16]			
Mesentery		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 17-18]			
[Necrosis TGLS = 17-18]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 532

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 562

HISTO: 47430

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Respirat Epith Olfactory Epi	Degeneration Hyperplasia	Hyaline, Minimal Basal Cell, Minimal
* Pituitary Gland [Leukemia Mononuclear TGLS = 11-10]		Leukemia Mononuclear	
* Skin [Leukemia Mononuclear TGLS = 1-16]	Subcut Tiss	Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 9-14]		Leukemia Mononuclear	
* Stomach, Forestomach [Leukemia Mononuclear TGLS = 18-10+15]		Leukemia Mononuclear	
* Stomach, Glandular [Leukemia Mononuclear TGLS = 18-10]		Leukemia Mononuclear	
* Thyroid Gland [Leukemia Mononuclear TGLS = 3-3]		Leukemia Mononuclear	
* Urinary Bladder [Leukemia Mononuclear TGLS = 8-10]		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Moderate
Pleura		Inflammation	Chronic, Minimal
* Uterus		Cyst	

[Cyst TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 534

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 603

HISTO: 47432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain		Hemorrhage	Moderate
* Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14]		
* Nose		Foreign Body	
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Ovary		Cyst	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 535

TRT#: 6

SEX: Female

DAY ON TEST: 705

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 5-9]			
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Inflammation	Suppurative, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 536

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 726

HISTO: 47434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Hemorrhage	Marked
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-9]			
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactoceles	Moderate
[Galactoceles TGLS = 6-15]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Skin		Ulcer	Marked
[Ulcer TGLS = 2-9]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 536	TRT#: 6	SEX: Female	DAY ON TEST: 726
	DOSE: 300 PPM	DISP: Moribund Sacrifice	HISTO: 47434

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3,4-14]

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 537

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Marked
* Eye	Lens	Cataract	Marked
	Lens	Mineralization	Marked
[Cataract TGLS = 1-13]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 6-6]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Ovary		Cyst	Marked
[Cyst TGLS = 3-9]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Uterus	Endometrium	Hyperplasia	Moderate
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 537

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47435

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 4-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:40
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 538

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Compression	Moderate
* Eye	Lens	Cataract	Moderate
[Cataract TGLS = 1-13]			
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]		Necrosis	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-14]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:40

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 538

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47436

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 539

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Larynx | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------------------------|---------------------------------------|----------------------|---------------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | Pelvis, Transit Epithe | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2,3-6] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 5-4+5] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLS = 1-14+15] | | |
| * Nose | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| * Pituitary Gland | | Cyst | Marked |
| | [Cyst TGLS = 4-10] | | |
| * Spleen | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 540

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 626

HISTO: 47438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Marked
		Eosinophilic Focus	
		Necrosis	Mild
[Angiectasis TGLS = 3-6]			
* Ovary		Cyst	Marked
[Cyst TGLS = 2-9]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 541	TRT#: 6	SEX: Female	DAY ON TEST: 731
	DOSE: 300 PPM	DISP: Terminal Sacrifice	HISTO: 47439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Suppurative, Marked
		Leukemia Mononuclear	
		Necrosis	Marked
		Thrombosis	Moderate
		[Inflammation TGLS = 9-6]	
		[Leukemia Mononuclear TGLS = 8,10-6]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-14]	
* Mammary Gland		Inflammation	Suppurative, Marked
		[Inflammation TGLS = 12-16]	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Ovary		Cyst	Moderate
		[Cyst TGLS = 3-9]	
* Pituitary Gland		Hyperplasia	Moderate
		[Hyperplasia TGLS = 11-10]	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 541

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47439

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5,6,7-15]

* Uterus

Endometrium

Inflammation

Suppurative, Marked

Polyp Stromal

[Polyp Stromal TGLS = 4-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 542

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	Marked
		[Clear Cell Focus TGLS = 4-15]	
		[Hepatodiaphragmatic Nodule TGLS = 3-14]	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-15]	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Ovary		Cyst	Marked
		[Cyst TGLS = 2-9]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 543

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 544

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-15]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
[Nephropathy TGLS = 6-7]		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4+5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-16]			
* Pituitary Gland		Cyst	Moderate
[Cyst TGLS = 3-10]		Hyperplasia	Mild
* Skin		Ulcer	Moderate
[Ulcer TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 544

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47442

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 545

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 495

HISTO: 47443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Hemorrhage	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver	Hepatocyte	Leukemia Mononuclear Regeneration	Moderate
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Nose		Foreign Body Inflammation Hyperplasia	Suppurative, Mild Mild
* Pituitary Gland			
[Hyperplasia TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
[Hyperplasia TGLS = 5-10]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 546

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 47444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 547

TRT#: 6

SEX: Female

DAY ON TEST: 677

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Compression	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 4-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-9+14]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Stomach, Forestomach		Ulcer	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 548

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 6-15]			
[Fibroadenoma TGLS = 1,2-14+16]			
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 549

TRT#: 6

DOSE: 300 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Moderate
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 2-6]			
* Kidney	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-14]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-7]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 550

TRT#: 6

SEX: Female

DAY ON TEST: 477

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 47448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal
* Stomach, Forestomach		Ulcer	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 701

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 1,2-4+5]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Ovary		Cyst	Marked
[Cyst TGLS = 4-9]			
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 701

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47299

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 702

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	[Cataract TGLS = 2-13]		
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14+15]		
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 703

TRT#: 8

SEX: Female

DAY ON TEST: 581

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 47301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Rectum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 704

TRT#: 8

SEX: Female

DAY ON TEST: 509

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Clitoral Gland		Fibrosarcoma	Metastatic (Skin)
* Intestine Large, Rectum	Serosa	Fibrosarcoma	Metastatic (Skin)
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Skin	Subcut Tiss	Fibrosarcoma	

[Fibrosarcoma TGLS = 1,2-14+15+16]

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 705

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 702

HISTO: 47303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Larynx	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Epiglottis	Metaplasia	Squamous, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Nose	Olfactory Epi	Degeneration	Moderate
		Foreign Body	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 705

TRT#: 8

SEX: Female

DAY ON TEST: 702

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47303

ORGAN AND ACCOUNTABLE SITE STATUS

Goblet Cell
Olfactory Epi
Respirat Epith
Nasolacrim Dct

Hyperplasia
Hyperplasia
Hyperplasia
Inflammation
Inflammation
Adenoma

Mild
Basal Cell, Mild
Mild
Suppurative, Mild
Suppurative, Moderate

* Pituitary Gland

[Adenoma TGLS = 8-10]

Pleura

* Spleen

Inflammation

Chronic, Minimal

Fibrosis

Marked

Leukemia Mononuclear

[Fibrosis TGLS = 5-6]

[Leukemia Mononuclear TGLS = 4-14]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 706

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 569

HISTO: 47304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
Pleura	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-14]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 707

TRT#: 8

SEX: Female

DAY ON TEST: 687

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15+16]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Mild
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 708

TRT#: 8

SEX: Female

DAY ON TEST: 718

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 5-15]		
* Nose	Olfactory Epi	Degeneration	Minimal
		Foreign Body	
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,3-14]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 709

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 458

HISTO: 47307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-14]			
* Liver		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 710

TRT#: 8

SEX: Female

DAY ON TEST: 690

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 47308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Vacuolization Cytoplasmic	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hemorrhage	Marked
[Hemorrhage TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14,3-15]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 711

TRT#: 8

SEX: Female

DAY ON TEST: 688

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Marked
* Liver		Hematopoietic Cell Proliferation	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Hemangiosarcoma	
	Subcut Tiss	Hemorrhage	Marked
[Hemangiosarcoma TGLS = 2-14]			
[Hemorrhage TGLS = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Skin Subcut Tiss Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 712

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma Vacuolization Cytoplasmic Carcinoma	Mild
* Clitoral Gland [Carcinoma TGLS = 1,2-9+14]			
* Kidney		Nephropathy Basophilic Focus Leukemia Mononuclear	Minimal
* Liver			
* Lung [Infiltration Cellular TGLS = 5-5]	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-14]		Fibroadenoma	
* Nose	Olfactory Epi	Hyperplasia Adenoma	Basal Cell, Mild
* Pituitary Gland [Adenoma TGLS = 3-10]			
Pleura [Inflammation TGLS = 4,5-4+5]		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 712

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47310

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 713

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Eye	Lens	Cataract	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15+16]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Nasolacrim Dct	Inflammation	Suppurative, Moderate
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal
[Inflammation TGLS = 4,5-4+5]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 713

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47311

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 714

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 585

HISTO: 47312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Pigmentation	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 715

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 668

HISTO: 47313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
		Necrosis	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Cyst	
		Hyperplasia	Marked
[Cyst TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 715

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47313

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 5-14,7-15]

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 716

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 543

HISTO: 47314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney [Infarct TGLS = 3-7]	Cortex	Infarct	
* Liver [Hepatodiaphragmatic Nodule TGLS = 2-6] [Leukemia Mononuclear TGLS = 1-6]		Hepatodiaphragmatic Nodule Leukemia Mononuclear	Marked
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 717

TRT#: 8

SEX: Female

DAY ON TEST: 652

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Bone Marrow | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Larynx | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | | |
|-------------------------|--------------------------|---------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
|-------------------------|--------------------------|---------------------------|

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex | | Thrombosis | Moderate |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-6] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Nose | Olfactory Epi | Degeneration | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| * Pituitary Gland | | Hyperplasia | Moderate |
| [Hyperplasia TGLS = 1-10] | | | |
| Pleura | | Inflammation | Chronic, Minimal |
| * Spleen | | Leukemia Mononuclear | |
| * Stomach, Glandular | | Erosion | Mild |
| [Erosion TGLS = 4-10] | | | |
| * Uterus | | Thrombosis | Marked |
| [Thrombosis TGLS = 3-10] | | | |

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Uterus Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 718

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex	Bilateral	Adenoma Vacuolization Cytoplasmic	Mild
[Adenoma TGLS = 5-7]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15+16]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 719

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Pigmentation	Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Ovary		Cyst	Moderate
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 720

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 722

HISTO: 47318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Blood Vessel		Inflammation	Marked
		Thrombosis	Marked
[Thrombosis TGLS = 9-18]			
* Clitoral Gland		Carcinoma	
Note: This is a purely squamous, very malignant tumor which appears to arise in clitoral gland, but is possibly primary in mammary gland.			
[Carcinoma TGLS = 5,6-14+15]			
* Larynx		Foreign Body	Marked
		Inflammation	Chronic, Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLS = 10-4]			
Lymph Node		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 4-16]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-16+17+18]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 720

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47318

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Hyperplasia

Marked

Pleura

Inflammation

Chronic, Minimal

[Inflammation TGLS = 8-5]

* Spleen

Hematopoietic Cell Proliferation

Marked

* Urinary Bladder

Transit Epithe

Hyperplasia

Moderate

[Hyperplasia TGLS = 7-10]

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 721

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye		Atrophy	Marked
[Atrophy TGLS = 2-13]			
* Kidney	Pelvis, Transit Epi	Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Necrosis	Marked
[Fibroadenoma TGLS = 1-14+15+16+17+18+19]			
[Necrosis TGLS = 1-14+15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-20]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Marked
Pleura		Inflammation	Chronic, Minimal
[Inflammation TGLS = 3-5]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Necrosis
 CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 722

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 723

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* 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, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Larynx		Foreign Body	Marked
		Inflammation	Chronic, Mild
* Liver		Angiectasis	Marked
		Basophilic Focus	
[Angiectasis TGLS = 2-14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 724

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 610

HISTO: 47322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Hemorrhage	Marked
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 8-15]			
* Nose	Goblet Cell	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Ovary		Cyst	Marked
		Leukemia Mononuclear	
[Cyst TGLS = 5-9]			
* Pituitary Gland		Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 724

TRT#: 8

SEX: Female

DAY ON TEST: 610

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47322

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 9-16]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 725

TRT#: 8

SEX: Female

DAY ON TEST: 619

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Papilla	Mineralization	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Ovary		Cyst	Marked
[Cyst TGLS = 1-9]			
Pleura		Inflammation	Chronic, Minimal
* Uterus		Hemorrhage	Marked
		Polyp Stromal	
[Hemorrhage TGLS = 2-14]			
[Polyp Stromal TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

- Uterus Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 726

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 668

HISTO: 47324

ORGAN AND ACCOUNTABLE SITE STATUS

Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14, 7-14]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLS = 10-10]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 727

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Vacuolization Cytoplasmic	Marked
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-15]			
* Kidney	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Ovary		Cyst	Marked
[Cyst TGLS = 3-9]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 727

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47325

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 728

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
		[Clear Cell Focus TGLS = 5-15]	
		[Hepatodiaphragmatic Nodule TGLS = 4-14]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
		[Necrosis TGLS = 3-14]	
* Nose	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland		Adenoma	
		[Adenoma TGLS = 1-10]	
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 728

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47326

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 729

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Marked
	[Nephropathy TGLS = 4-7]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-15]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 5-14]		
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 6-10]		
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 729

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47327

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-14]

* Stomach, Forestomach

Hyperplasia

Squamous, Mild

Ulcer

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 730

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 47328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Clitoral Gland [Hyperplasia TGLS = 2-9+14]		Hyperplasia	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery [Necrosis TGLS = 4-14]		Necrosis	Moderate
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland [Adenoma TGLS = 3-10]		Adenoma	
Pleura		Inflammation	Chronic, Minimal
* Skin [Fibroma TGLS = 1-15+16]	Subcut Tiss	Fibroma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 731

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
* Lung	Alveolus	Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-5]	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 1-14]		
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Ovary		Cyst	Moderate
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 2-10]		
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 733

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Mild
* Kidney		Nephropathy	Mild
* Larynx		Inflammation	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Suppurative, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Cyst	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 734

TRT#: 8

SEX: Female

DAY ON TEST: 534

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Moderate
* Heart	Epicardium	Squamous Cell Carcinoma	Metastatic (Lung)
	[Squamous Cell Carcinoma TGLS = 8-19]		
* Lung	Mediastinum	Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 5-16]	Squamous Cell Carcinoma	Metastatic (Lung)
	[Squamous Cell Carcinoma TGLS = 3-18,4-17,5-16]		
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Cyst	Mild
	[Cyst TGLS = 6-10]		
Pleura	Mesothelium	Hyperplasia	Marked
	[Squamous Cell Carcinoma TGLS = 7-20]	Squamous Cell Carcinoma	Metastatic (Lung)

PRIMARY CAUSE OF DEATH - Lung Mediastinum Squamous Cell Carcinoma

Animal Note: TGL 2 = NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 735

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney [Nephropathy TGLS = 4-7]		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung Mesentery [Necrosis TGLS = 2-14]	Bronchiole	Hyperplasia Necrosis	Mild Moderate
* Nose	Olfactory Epi Olfactory Epi	Degeneration Hyperplasia	Minimal Basal Cell, Mild
* Ovary [Cyst TGLS = 1-9]		Cyst	Moderate
* Pituitary Gland [Adenoma TGLS = 3-10]		Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 736

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Kidney [Nephropathy TGLS = 3-7]		Nephropathy	Marked
* Liver		Basophilic Focus Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular Inflammation Fibroadenoma	Histiocyte, Minimal Chronic, Minimal
* Mammary Gland [Fibroadenoma TGLS = 4-15]			
* Nose	Olfactory Epi Olfactory Epi	Degeneration Hyperplasia Inflammation	Hyaline, Mild Basal Cell, Mild Suppurative, Mild
* Ovary [Cyst TGLS = 2-14]	Respirat Epith	Metaplasia Cyst	Squamous, Mild Marked
* Pituitary Gland [Adenoma TGLS = 1-10]		Adenoma	
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 736

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47334

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 737

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Eye	Lens	Cataract	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-14+15+16]			
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
* Stomach, Glandular		Hyperplasia	Mild
[Hyperplasia TGLS = 4-10]			
* Uterus	Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 5-10]		Polyp Stromal	
[Polyp Stromal TGLS = 2-16]			
Vagina		Infiltration Cellular	Mixed Cell, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 738

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Brain		Compression	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 739

TRT#: 8

SEX: Female

DAY ON TEST: 663

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Brain		Compression	Marked
* Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Marked
	[Cataract TGLS = 2-13]		
* Kidney	Papilla	Mineralization	Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Lymph Node	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-14]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 7-15]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 5-14]		
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 3-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 739

TRT#: 8

SEX: Female

DAY ON TEST: 663

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 47337

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-6]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 740

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
[Leukemia Mononuclear TGLS = 4-6]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
[Fibroadenoma TGLS = 1-14]			
[Galactocele TGLS = 2-15]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 5-10]			
* Skin		Inflammation	Chronic, Moderate
		Ulcer	Moderate
[Inflammation TGLS = 6,7-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 740

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47338

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 6,7-16]

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 741

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 742

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 743

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 723

HISTO: 47341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|--------------------------|---------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Islets, Pancreatic | * Larynx | * Liver |
| * Lung | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- | | |
|-------------------------|--------------------------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|---------------------|
| * Adrenal Medulla
[Pheochromocytoma Malignant TGLS = 3-7] | | Pheochromocytoma Malignant | |
| * Kidney | | Nephropathy | Mild |
| * Nose | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| * Pituitary Gland
[Adenoma TGLS = 2-10] | | Adenoma | |
| * Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 744

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 745

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 660

HISTO: 47343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Eye		Atrophy	Marked
	Lens	Cataract	Moderate
	Antr Chamber	Hemorrhage	Marked
	[Atrophy TGLS = 2-13]		
	[Cataract TGLS = 3-13]		
	[Hemorrhage TGLS = 3-13]		
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 6-6]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 4-10]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 745	TRT#: 8	SEX: Female	DAY ON TEST: 660
	DOSE: 1000 PPM	DISP: Moribund Sacrifice	HISTO: 47343

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7,8-14]		
* Uterus	Hemorrhage	Marked
	Polyp Stromal	
[Hemorrhage TGLS = 9-10]		
[Polyp Stromal TGLS = 9-10]		

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Uterus	Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha-Methylstyrene
CAS Number: 98-83-9

Date Report Requested: 10/20/2014
Time Report Requested: 04:28:41
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 746

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-9]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Lymph Node, Bronchial		Hemorrhage	Moderate
[Hemorrhage TGLS = 3-14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-15+16+17+18]			
* Nose		Inflammation	Chronic, Minimal
	Olfactory Epi	Metaplasia	Moderate
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 4-10]			
Pleura		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 747

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 47345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		[Carcinoma TGLS = 1-14]	
		[Fibroadenoma TGLS = 2-15+16]	
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Marked
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 748

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 47346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney	Papilla	Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 749

TRT#: 8

DOSE: 1000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 662

HISTO: 47347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Brain		Compression	Marked
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Mammary Gland	Duct	Cyst	Marked
* Nose	Olfactory Epi	Degeneration	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 750

TRT#: 8

SEX: Female

DAY ON TEST: 701

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 47348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mediastinal	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Brain		Hemorrhage	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,4-14]		
* Stomach, Forestomach		Ulcer	Marked
	[Ulcer TGLS = 5-10]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 2-10]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88006-03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha-Methylstyrene

CAS Number: 98-83-9

Date Report Requested: 10/20/2014

Time Report Requested: 04:28:41

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 750

TRT#: 8

SEX: Female

DAY ON TEST: 701

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 47348

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage;Stomach;Forestomach Ulcer

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE