

Experiment Number: 20601 - 03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Antimony trioxide
CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
Time Report Requested: 14:18:25
First Dose M/F: 09/22/08 / 09/22/08
Lab: BNW

F1_53 Wk. SSAC_RE

NTP Study Number: C20601
Lock Date: 06/13/2011
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25017 SSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.2_002
PWG Approval Date: NONE

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WISTAR HAN RATS MALE	DAY ON TEST										
	0367	0367	0367	0367	0367	0367	0367	0367	0367	0367	
Control	ANIMAL ID										
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	3678	3678	3678	3678	3678	3678	3678	3678	3678	3678	
* TOTALS											

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10		
Liver	+	+	+	+	+	+	+	+	+	+	10		
Pancreas	+	+	+	+	+	+	+	+	+	+	10		
Atrophy							1	1		1		3	1.0
Inflammation, Chronic Active							1	1	1			3	1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10		
Ulcer										1		1	1.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Chronic Active								1				1	1.0

CARDIOVASCULAR SYSTEM

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	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	
Control	ANIMAL ID										
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	2	3	3	4	4	
	3	6	7	8	9	3	4	8	4	5	* TOTALS
Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy	1			1	1						3 1.0
ENDOCRINE SYSTEM											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia				1							1 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Hypertrophy										1	1 1.0
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Pars Distalis, Hyperplasia		1									1 1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
GENERAL BODY SYSTEM											
NONE											
GENITAL SYSTEM											
Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10

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WISTAR HAN RATS MALE Control	DAY ON TEST										ANIMAL ID	
	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7		
	0 0 0 0 3	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 2 3	0 0 0 3 4	0 0 0 3 8	0 0 0 3 4	0 0 0 4 5		
												* TOTALS
Inflammation, Chronic Active	2 1 1 2											4 1.5
Prostate	+ + + + + + + + + +											10
Inflammation, Suppurative	1 1 1											3 1.0
Seminal Vesicle	+ + + + + + + + + +											10
Testes	+ + + + + + + + + +											10
Germinal Epithelium, Degeneration	1 2											2 1.5

HEMATOPOIETIC SYSTEM

Bone Marrow	+ + + + + + + + + +											10
Lymph Node, Bronchial	+ + + + + M + + +											9
Lymph Node, Mandibular	+ + + + + + + + + +											10
Lymph Node, Mediastinal	+ + + + + + + + + +											10
Pigmentation	1 1 1 1											5 1.0
Lymph Node, Mesenteric	+ + + + + + + + + +											10
Spleen	+ + + + + + + + + +											10
Hematopoietic Cell Proliferation	1 1											2 1.0
Thymus	+ + + + + + + + + +											10

INTEGUMENTARY SYSTEM

Mammary Gland	M + M + M M M M + +											4
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	0367	0367	0367	0367	0367	0367	0367	0367	0367	0367	
Control	ANIMAL ID										
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	3678	3678	3678	3678	3678	3678	3678	3678	3678	3678	
											* TOTALS
Skin	+	+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM											
Bone	+	+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM											
Brain	+	+	+	+	+	+	+	+	+	+	10
RESPIRATORY SYSTEM											
Larynx	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte	2										1 2.0
Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active							1				1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Olfactory Epithelium, Accumulation, Hyaline Droplet	1		2		2						3 1.7
Respiratory Epithelium, Accumulation, Hyaline Droplet			1		1						2 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10
SPECIAL SENSES SYSTEM											
Eye	+	+	+	+	+	+	+	+	+	+	10
Retina, Atrophy					2		1				2 1.5

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		0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7		
Control		ANIMAL ID											
		0 0 0 0 3	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 2 3	0 0 0 3 4	0 0 0 3 8	0 0 0 4 4	0 0 0 4 5		
												* TOTALS	
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10	
URINARY SYSTEM													
Kidney		+	+	+	+	+	+	+	+	+	+	10	
Nephropathy			2		2	1		1	1		1	6 1	1.3 1.0
Pelvis, Dilatation					1								
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	10	

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	0367	0367	0367	0367	0367	0367	0367	0367	0367	0367	
3 mg/m3	ANIMAL ID										
	00203	00203	00203	00203	00203	00203	00203	00203	00203	00203	
	00203	00203	00203	00203	00203	00203	00203	00203	00203	00203	
	00203	00203	00203	00203	00203	00203	00203	00203	00203	00203	
											* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Rectum	+	+	M	+	+	+	+	+	+	+	9		
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10		
Liver	+	+	+	+	+	+	+	+	+	+	10		
Congestion			1									1	1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10		
Atrophy								1		1		2	1.0
Inflammation, Chronic Active										1		1	1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10		

CARDIOVASCULAR SYSTEM

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WISTAR HAN RATS MALE 3 mg/m3	DAY ON TEST	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7		
	ANIMAL ID	0 0 2 0 3	0 0 2 0 6	0 0 2 0 7	0 0 2 0 8	0 0 2 0 9	0 0 2 1 7	0 0 2 2 3	0 0 2 3 4	0 0 2 4 4	0 0 2 4 5	
		* TOTALS										
Blood Vessel		+	+	+	+	+	+	+	+	+		10
Heart		+	+	+	+	+	+	+	+	+		10
Cardiomyopathy				1				1				2 1.0
ENDOCRINE SYSTEM												
Adrenal Cortex		+	+	+	+	+	+	+	+	+		10
Hyperplasia		2						1			1	3 1.3
Adrenal Medulla		+	+	+	+	+	+	+	+	+		10
Islets, Pancreatic		+	+	+	+	+	+	+	+	+		10
Parathyroid Gland		+	+	+	+	+	+	+	+	+		10
Pituitary Gland		+	+	+	+	+	+	+	+	+		10
Thyroid Gland		+	+	+	+	+	+	+	+	+		10
Hyperplasia, Squamous										2		1 2.0
GENERAL BODY SYSTEM												
NONE												
GENITAL SYSTEM												
Epididymis		+	+	+	+	+	+	+	+	+		10
Preputial Gland		+	+	+	+	+	+	+	+	+		10
Inflammation, Chronic Active		1									1	2 1.0

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WISTAR HAN RATS MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	
		6	6	6	6	6	6	6	6	6	
		7	7	7	7	7	7	7	7	7	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
3 mg/m3		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	1	2	3	4	4
	3	6	7	8	9	7	3	4	4	5	
* TOTALS											
Prostate		+	+	+	+	+	+	+	+	+	10
Epithelium, Hyperplasia					1						1 1.0
Seminal Vesicle		+	+	+	+	+	+	+	+	+	10
Testes		+	+	+	+	+	+	+	+	+	10
Germinal Epithelium, Degeneration		4						2			2 3.0
HEMATOPOIETIC SYSTEM											
Bone Marrow		+	+	+	+	+	+	+	+	+	10
Lymph Node, Bronchial		+	+	+	+	+	+	+	M	M	8
Foreign Body		X	X	X	X	X	X	X			8
Hyperplasia, Lymphoid					1		2				2 1.5
Lymph Node, Mandibular		+	+	+	+	+	+	+	M	+	9
Lymph Node, Mediastinal		+	+	+	M	+	M	+	+	+	8
Foreign Body		X	X	X		X		X	X	X	8
Hyperplasia, Lymphoid			1					1			2 1.0
Pigmentation						1		1	1	1	5 1.0
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation			1			2	1			1 1	5 1.2
Thymus		+	+	+	+	+	+	+	+	+	10

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	3 mg/m3	ANIMAL ID	0 0 2 0 3	0 0 2 0 6	0 0 2 0 7	0 0 2 0 8	0 0 2 0 9	0 0 2 1 7	0 0 2 2 3	0 0 2 3 4	0 0 2 4 4 5	
* TOTALS												

INTEGUMENTARY SYSTEM

Mammary Gland	M	M	+	M	M	M	M	M	M	M	1
Skin	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	----

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
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RESPIRATORY SYSTEM

Larynx	+	+	+	+	+	+	+	+	+	+	10
Foreign Body	X	X	X	X	X	X	X	X	X	X	10
Lung	+	+	+	+	+	+	+	+	+	+	10
Fibrosis	1	1	1	1	1	1	1	2	1	1	10 1.1
Foreign Body	X	X	X	X	X	X	X	X	X	X	10
Inflammation, Chronic Active	2	2	2	2	2	2	2	3	2	2	10 2.1
Proteinosis		1	1	1	1	1	1	1	1	1	9 1.0
Alveolar Epithelium, Hyperplasia	1	1	1	1	2	1	1	2	1	1	10 1.2
Alveolus, Inflammation, Suppurative						1					1 1.0
Bronchiole, Epithelium, Hyperplasia			1	1				1	1	1	5 1.0
Perivascular, Infiltration Cellular, Lymphocyte			1	1		1				1	4 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Suppurative								1			1 1.0

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3 mg/m3	ANIMAL ID										
	00203	00203	00203	00203	00203	00203	00203	00203	00203	00203	
	00203	00203	00203	00203	00203	00203	00203	00203	00203	00203	
	00203	00203	00203	00203	00203	00203	00203	00203	00203	00203	
											* TOTALS
Olfactory Epithelium, Accumulation, Hyaline Droplet	1										1 1.0
Trachea Foreign Body	+	+	+	+	+	+	+	+	+	+	10
	X		X	X	X	X	X	X	X		8
SPECIAL SENSES SYSTEM											
Eye Retina, Atrophy	+	+	+	+	+	+	+	+	+	+	10
	2										1 2.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
URINARY SYSTEM											
Kidney Nephropathy	+	+	+	+	+	+	+	+	+	+	10
Pelvis, Inflammation, Chronic Active			1			2			2		3 1.7
										2	1 2.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS MALE	DAY ON TEST										
	0367	0367	0367	0367	0367	0367	0367	0367	0367	0367	
10 mg/m3	ANIMAL ID										
	00403	00404	00405	00406	00407	00408	00409	00410	00411	00412	
	00413	00414	00415	00416	00417	00418	00419	00420	00421	00422	
	00423	00424	00425	00426	00427	00428	00429	00430	00431	00432	
											* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Atrophy							2	1			
Inflammation, Chronic Active		1									2 1.5
Arteriole, Inflammation, Chronic Active			1								1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS MALE 10 mg/m3	DAY ON TEST										ANIMAL ID	
	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7		
	0 0 4 0 3	0 0 4 0 6	0 0 4 0 7	0 0 4 0 8	0 0 4 0 9	0 0 4 2 3	0 0 4 3 4	0 0 4 3 8	0 0 4 3 4	0 0 4 4 5		
												* TOTALS
Blood Vessel	+	+	+	+	+	+	+	+	+	+		10
Heart	+	+	+	+	+	+	+	+	+	+		10
Cardiomyopathy		2	1	1	1					1		5 1.2
ENDOCRINE SYSTEM												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+		10
Hyperplasia			1					1				2 1.0
Adrenal Medulla	+	+	+	M	+	+	+	+	+	+		9
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+		10
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+		9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+		10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+		10
GENERAL BODY SYSTEM												
NONE												
GENITAL SYSTEM												
Epididymis	+	+	+	+	+	+	+	+	+	+		10
Preputial Gland	+	+	+	+	+	+	+	+	+	+		10
Inflammation, Chronic Active	1	1			1		1		1	2		6 1.2

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 Species/Strain: RATS/Wistar Han

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 Antimony trioxide
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 Lab: BNW

WISTAR HAN RATS MALE 10 mg/m3	DAY ON TEST										ANIMAL ID	
	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7		
	0 0 4 0 3	0 0 4 0 6	0 0 4 0 7	0 0 4 0 8	0 0 4 0 9	0 0 4 2 3	0 0 4 3 4	0 0 4 3 8	0 0 4 4 4	0 0 4 4 5		
												* TOTALS
Prostate	+	+	+	+	+	+	+	+	+	+		10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+		10
Testes	+	+	+	+	+	+	+	+	+	+		10
HEMATOPOIETIC SYSTEM												
Bone Marrow	+	+	+	+	+	+	+	+	+	+		10
Lymph Node, Bronchial	+	+	+	+	+	+	+	+	+	+		10
Foreign Body	X	X	X	X	X	X	X	X	X	X		10
Hyperplasia, Lymphoid	1	1	1			1			1			10 5 1.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	M	+		9
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	+	+		10
Foreign Body		X	X		X			X	X	X		6
Hyperplasia, Lymphoid		1	2		1			2	1	1		6 1.3
Pigmentation	1	1		1		1	1	1	1	1		8 1.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+		10
Spleen	+	+	+	+	+	+	+	+	+	+		10
Hematopoietic Cell Proliferation	1	1										2 1.0
Thymus	+	+	+	+	+	+	+	+	+	+		10
INTEGUMENTARY SYSTEM												

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 Lab: BNW

WISTAR HAN RATS MALE 10 mg/m3	DAY ON TEST	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7		
	ANIMAL ID	0 0 4 0 3	0 0 4 0 6	0 0 4 0 7	0 0 4 0 8	0 0 4 0 9	0 0 4 2 3	0 0 4 3 4	0 0 4 3 8	0 0 4 4 4	0 0 4 4 5	
		* TOTALS										
Mammary Gland		M	M	M	M	M	M	+	M	M		1
Skin Fibrosis		+	+	+	+	+	+	+	+	+		10 1 4.0
MUSCULOSKELETAL SYSTEM												
Bone		+	+	+	+	+	+	+	+	+		10
NERVOUS SYSTEM												
Brain		+	+	+	+	+	+	+	+	+		10
RESPIRATORY SYSTEM												
Larynx		+	+	+	+	+	+	+	+	+		10
Foreign Body		X	X	X	X	X	X	X	X	X		10
Lung		+	+	+	+	+	+	+	+	+		10
Fibrosis		2	1	1	2	2	2	2	2	2		10 1.8
Foreign Body		X	X	X	X	X	X	X	X	X		10
Inflammation, Chronic Active		3	3	3	3	3	3	2	3	3		10 2.9
Metaplasia, Osseous						1						1 1.0
Proteinosis		1	3	1	1	1	1	2	2	1	1	10 1.4
Alveolar Epithelium, Hyperplasia		2	1	2	2	2	2	2	2	2		10 1.9
Alveolus, Inflammation, Suppurative				1				1				2 1.0
Bronchiole, Epithelium, Hyperplasia					1			1	1	1		5 1.0
Perivascular, Infiltration Cellular, Lymphocyte			1				1	1			1	4 1.0
Nose		+	+	+	+	+	+	+	+	+		10
Foreign Body								X				1

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WISTAR HAN RATS MALE	DAY ON TEST										
	0367	0367	0367	0367	0367	0367	0367	0367	0367	0367	
10 mg/m3	ANIMAL ID										
	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	
	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	
	3367	3367	3367	3367	3367	3367	3367	3367	3367	3367	
											* TOTALS
Glands, Respiratory Epithelium, Cyst										1	1 1.0
Olfactory Epithelium, Accumulation, Hyaline Droplet	2			1		1				1	4 1.3
Respiratory Epithelium, Hyperplasia										1	1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10
Foreign Body	X	X	X	X	X	X	X	X	X		9
SPECIAL SENSES SYSTEM											
Eye	+	+	+	+	+	+	+	+	+	+	10
Lens, Degeneration				3							1 3.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
URINARY SYSTEM											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy				1	1		2	1			4 1.3
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10
Calculus Gross Observation			X	X				X			3

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 Species/Strain: RATS/Wistar Han

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WISTAR HAN RATS MALE	DAY ON TEST										
	0367	0367	0367	0367	0367	0367	0367	0367	0367	0367	
30 mg/m3	ANIMAL ID										
	006033	006033	006033	006033	006033	006033	006033	006033	006033	006033	
	006033	006033	006033	006033	006033	006033	006033	006033	006033	006033	
	006033	006033	006033	006033	006033	006033	006033	006033	006033	006033	
											* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	10
					1				1		2 1.0

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
--------------	---	---	---	---	---	---	---	---	---	---	----

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WISTAR HAN RATS MALE	DAY ON TEST										
	0367	0367	0367	0367	0367	0367	0367	0367	0367	0367	
30 mg/m3	ANIMAL ID										
	006033	006033	006033	006033	006033	006033	006033	006033	006033	006033	
	006033	006033	006033	006033	006033	006033	006033	006033	006033	006033	
	006033	006033	006033	006033	006033	006033	006033	006033	006033	006033	
* TOTALS											

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy		1		1							2 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia					1	1				1	3 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	M	+	M	+	+	+	8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	M	+	+	+	+	+	9
Inflammation, Chronic Active		1		2				2			3 1.7
Prostate	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Suppurative								1			1 1.0

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WISTAR HAN RATS MALE 30 mg/m3	DAY ON TEST										ANIMAL ID	
	0367	0367	0367	0367	0367	0367	0367	0367	0367	0367		
	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	3		
	6	6	6	6	6	6	6	6	6	6		
	7	7	7	7	7	7	7	7	7	7		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	6	6	6	6	6	6	6	6	6	6		
	0	0	0	0	0	2	3	3	4	4		
	3	6	7	8	9	3	4	8	4	5		
												* TOTALS
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+		10
Testes	+	+	+	+	+	+	+	+	+	+		10
HEMATOPOIETIC SYSTEM												
Bone Marrow	+	+	+	+	+	+	+	+	+	+		10
Lymph Node, Bronchial	+	+	+	+	+	+	+	+	+	+		10
Foreign Body	X	X	X	X	X	X	X	X	X	X		10
Hyperplasia, Lymphoid						2				1		2 1.5
Lymph Node, Mandibular	+	M	+	+	+	+	+	+	+	M		8
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	+	M		9
Foreign Body	X		X	X		X	X	X				6
Hyperplasia, Lymphoid		1	1	3								3 1.7
Pigmentation		1	1	1			1		1			5 1.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+		10
Spleen	+	+	+	+	+	+	+	+	+	+		10
Hematopoietic Cell Proliferation					1		1		1	1		4 1.0
Thymus	+	+	+	+	+	+	+	+	+	+		10
INTEGUMENTARY SYSTEM												
Mammary Gland	M	+	M	+	M	M	M	M	+	M		3

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 Species/Strain: RATS/Wistar Han

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WISTAR HAN RATS MALE 30 mg/m3		DAY ON TEST												
		0	0	0	0	0	0	0	0	0	0			
		3	3	3	3	3	3	3	3	3	3			
		6	6	6	6	6	6	6	6	6	6			
ANIMAL ID		7	7	7	7	7	7	7	7	7	7			
		0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	0	0			
		6	6	6	6	6	6	6	6	6	6			
		0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	0	0			
		6	6	6	6	6	6	6	6	6	6			
		0	0	0	0	0	2	3	3	4	4			
		3	6	7	8	9	3	4	8	4	5			
* TOTALS														
Skin		+	+	+	+	+	+	+	+	+	+	10		
MUSCULOSKELETAL SYSTEM														
Bone		+	+	+	+	+	+	+	+	+	+	10		
NERVOUS SYSTEM														
Brain		+	+	+	+	+	+	+	+	+	+	10		
RESPIRATORY SYSTEM														
Larynx		+	+	+	+	+	+	+	+	+	+	10		
Foreign Body		X	X	X	X	X	X	X	X	X	X	10		
Lung		+	+	+	+	+	+	+	+	+	+	10		
Fibrosis		2	2	2	2	2	1	2	1	2	2	10	1.8	
Foreign Body		X	X	X	X	X	X	X	X	X	X	10		
Inflammation, Chronic Active		3	1	3	4	4	3	3	3	3	3	10	3.0	
Proteinosis		2	3	3	2	3	1	2	3	3	2	10	2.4	
Alveolar Epithelium, Hyperplasia		2	3	2	3	3	1	2	2	2	2	10	2.2	
Alveolus, Inflammation, Suppurative					1		2					2	1.5	
Bronchiole, Epithelium, Hyperplasia			1	1				1	1	1	1	6	1.0	
Perivascular, Infiltration Cellular, Lymphocyte		1		1			1					3	1.0	
Nose		+	+	+	+	+	+	+	+	+	+	10		
Foreign Body		X	X		X	X	X	X	X	X	X	9		
Inflammation, Suppurative											1	1	1.0	
Olfactory Epithelium, Accumulation, Hyaline Droplet				1				1				2	1.0	

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 Species/Strain: RATS/Wistar Han

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WISTAR HAN RATS MALE 30 mg/m3	DAY ON TEST	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7		
	ANIMAL ID	0 0 6 0 3	0 0 6 0 6	0 0 6 0 7	0 0 6 0 8	0 0 6 0 9	0 0 6 2 3	0 0 6 3 4	0 0 6 3 8	0 0 6 4 4	0 0 6 4 5	
Respiratory Epithelium, Hyperplasia		1							1			2 1.0
Trachea		+	+	+	+	+	+	+	+	+		10
Foreign Body		X	X	X	X	X	X	X	X	X		10
Infiltration Cellular, Polymorphonuclear									1			1 1.0
SPECIAL SENSES SYSTEM												
Eye		+	+	+	+	+	+	+	+	+		10
Harderian Gland		+	+	+	+	+	+	+	+	+		10
URINARY SYSTEM												
Kidney		+	+	+	+	+	+	+	+	+		10
Nephropathy			1	2				1	1	2		5 1.4
Urinary Bladder		+	+	+	+	+	+	+	+	+		10
Calculus Gross Observation				X				X				2

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 M .. Missing tissue
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE	DAY ON TEST										
	0368	0368	0368	0368	0368	0368	0368	0368	0368	0368	
Control	ANIMAL ID										
	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	
	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	
	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	
											* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Basophilic Focus								X			1
Hematopoietic Cell Proliferation		2									1 2.0
Hepatodiaphragmatic Nodule			X								1
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

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 Antimony trioxide
 CAS Number: 1309-64-4

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 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

DAY ON TEST		0	0	0	0	0	0	0	0	0			
		3	3	3	3	3	3	3	3	3			
WISTAR HAN RATS FEMALE		6	6	6	6	6	6	6	6	6			
		8	8	8	8	8	8	8	8	8			
Control	ANIMAL ID	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	0			
		1	1	1	1	1	1	1	1	1			
		0	0	0	0	0	2	3	3	4		4	
		3	6	7	8	9	3	4	8	4	5		
												* TOTALS	
Blood Vessel		+	+	+	+	+	+	+	+	+	+	10	
Heart		+	+	+	+	+	+	+	+	+	+	10	
Mineralization				1								1	1.0
ENDOCRINE SYSTEM													
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10	
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	10	
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	10	
Parathyroid Gland		+	+	+	+	+	+	+	+	+	+	10	
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	10	
Pars Distalis, Hyperplasia					3					1		2	2.0
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	10	
GENERAL BODY SYSTEM													
NONE													
GENITAL SYSTEM													
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic Active			1			1		1			1	4	1.0
Ovary		+	+	+	+	+	+	+	+	+	+	10	
Cyst				1				1				2	1.0

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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	
		6	6	6	6	6	6	6	6	6	
		8	8	8	8	8	8	8	8	8	
Control	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	2	3	3	4	4
	3	6	7	8	9	3	4	8	4	5	
											* TOTALS
Uterus		+	+	+	+	+	+	+	+	+	10
HEMATOPOIETIC SYSTEM											
Bone Marrow		+	+	+	+	+	+	+	+	+	10
Hyperplasia		1									1 1.0
Lymph Node, Bronchial		M	+	+	+	M	+	+	M	+	7
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mediastinal		+	+	+	+	+	+	+	+	+	10
Pigmentation		2	1	1	1	2		1		1	8 1.3
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation		1			1	1				1	4 1.0
Thymus		+	+	+	+	+	+	+	+	+	10
Cyst									2		1 2.0
INTEGUMENTARY SYSTEM											
Mammary Gland		+	+	+	+	+	+	+	+	+	10
Skin		+	+	+	+	+	+	+	+	+	10
Cyst, Squamous				2							1 2.0

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 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE	DAY ON TEST										
	0368	0368	0368	0368	0368	0368	0368	0368	0368	0368	
Control	ANIMAL ID										
	00103	00103	00103	00103	00103	00103	00103	00103	00103	00103	
	00103	00103	00103	00103	00103	00103	00103	00103	00103	00103	
	00103	00103	00103	00103	00103	00103	00103	00103	00103	00103	
	00103	00103	00103	00103	00103	00103	00103	00103	00103	00103	
* TOTALS											
Bone	+	+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM											
Brain	+	+	+	+	+	+	+	+	+	+	10
RESPIRATORY SYSTEM											
Larynx	+	+	+	+	+	+	+	+	+	+	10
Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active	1				1						2 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Olfactory Epithelium, Accumulation, Hyaline Droplet				1				1			2 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10
SPECIAL SENSES SYSTEM											
Eye	+	+	+	+	+	+	+	+	+	+	10
Retina, Atrophy										1	1 1.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
URINARY SYSTEM											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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 1) Minimal 3) Moderate
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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE	DAY ON TEST										
	0368	0368	0368	0368	0368	0368	0368	0368	0368	0368	
3 mg/m3	ANIMAL ID										
	00303	00303	00303	00303	00303	00303	00303	00303	00303	00303	
	3	3	3	3	3	3	3	3	3	3	
	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	
	0	0	0	0	0	2	3	3	4	4	
	3	6	7	8	9	3	4	8	4	5	
											* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Basophilic Focus									X		1
Artery, Fibrosis										2	1 2.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
--------------	---	---	---	---	---	---	---	---	---	---	----

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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE 3 mg/m3	DAY ON TEST										ANIMAL ID	
	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8		
	0 0 3 0 3	0 0 3 0 6	0 0 3 0 7	0 0 3 0 8	0 0 3 0 9	0 0 3 2 3	0 0 3 3 4	0 0 3 3 8	0 0 3 3 4	0 0 3 4 5		
												* TOTALS

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy			1			1			1		3 1.0

ENDOCRINE SYSTEM

Adrenal Cortex Hyperplasia	+	+	+	+	+	+	+	+	+	+	10
							2				1 2.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	M	+	+	+	+	+	+	M	+	8
Pituitary Gland Pars Distalis, Hyperplasia	+	+	+	+	+	+	1	+	4	+	10
											2 2.5
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	10
		1		1						1	3 1.0
Ovary Cyst	+	+	+	+	+	+	+	+	+	+	10
										1	1 1.0

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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

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 Antimony trioxide
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 Lab: BNW

WISTAR HAN RATS FEMALE 3 mg/m3	DAY ON TEST										ANIMAL ID	
	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8		
	0 0 3 0 3	0 0 3 0 6	0 0 3 0 7	0 0 3 0 8	0 0 3 0 9	0 0 3 2 3	0 0 3 3 4	0 0 3 3 8	0 0 3 3 4	0 0 3 4 5		
												* TOTALS
Uterus	+	+	+	+	+	+	+	+	+	+		10
Dilatation		3										1 3.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+		10
Hyperplasia						1						1 1.0
Lymph Node, Bronchial	+	+	M	+	+	+	M	+	+	+		8
Foreign Body	X			X	X	X		X	X	X		7
Hyperplasia, Lymphoid				1		1		1	1			4 1.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+		10
Lymph Node, Mediastinal	+	+	+	+	+	+	+	M	+	+		9
Foreign Body	X	X	X	X	X	X	X		X	X		9
Hyperplasia, Lymphoid	1		1	1	1	1	1		1	1		8 1.0
Pigmentation	1	1		1	1	2	1		2	1		8 1.3
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+		10
Spleen	+	+	+	+	+	+	+	+	+	+		10
Hematopoietic Cell Proliferation	1			1	1	1	1			1		6 1.0
Thymus	+	+	+	+	+	+	+	+	+	+		10
Hyperplasia, Squamous								1				1 1.0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+		10
---------------	---	---	---	---	---	---	---	---	---	---	--	----

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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
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 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE 3 mg/m3	DAY ON TEST	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8		
	ANIMAL ID	0 0 3 0 3	0 0 3 0 6	0 0 3 0 7	0 0 3 0 8	0 0 3 0 9	0 0 3 2 3	0 0 3 3 4	0 0 3 3 8	0 0 3 4 4	0 0 3 4 5	
												* TOTALS
Skin		+	+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM												
Bone		+	+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM												
Brain		+	+	+	+	+	+	+	+	+	+	10
RESPIRATORY SYSTEM												
Larynx		+	+	+	+	+	+	+	+	+	+	10
Foreign Body		X	X	X	X	X	X	X	X	X	X	10
Lung		+	+	+	+	+	+	+	+	+	+	10
Fibrosis		1	1	1	1	1	1	1	1	1	1	10 1.0
Foreign Body		X	X	X	X	X	X	X	X	X	X	10
Inflammation, Chronic Active		2	2	2	2	2	2	2	2	2	2	10 2.0
Proteinosis		1	1	2	1	3	1	2	1	2	3	10 1.7
Alveolar Epithelium, Hyperplasia		1	1	1	1	1	1	1	1	1	1	10 1.0
Alveolus, Inflammation, Suppurative							1					1 1.0
Bronchiole, Epithelium, Hyperplasia		1										1 1.0
Perivascular, Infiltration Cellular, Lymphocyte		1			1		1	1				4 1.0
Nose		+	+	+	+	+	+	+	+	+	+	10
Olfactory Epithelium, Accumulation, Hyaline Droplet		1								2		2 1.5
Respiratory Epithelium, Accumulation, Hyaline Droplet											1	1 1.0
Respiratory Epithelium, Hyperplasia							1					1 1.0

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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

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 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE	DAY ON TEST										
	0368	0368	0368	0368	0368	0368	0368	0368	0368	0368	
3 mg/m3	ANIMAL ID										
	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	
	3300	3300	3300	3300	3300	3300	3300	3300	3300	3300	
	0033	0036	0037	0038	0039	0033	0034	0038	0044	0045	
											* TOTALS
Trachea	+	+	+	+	+	+	+	+	+	+	10
Foreign Body	X				X	X	X	X		X	6
SPECIAL SENSES SYSTEM											
Eye	+	+	+	+	+	+	+	+	+	+	10
Lens, Degeneration						3					1 3.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
URINARY SYSTEM											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Calculus Micro Observation Only				X							1
Nephropathy				2		1					2 1.5
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

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 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE	DAY ON TEST										
	0368	0368	0368	0368	0368	0368	0368	0368	0368	0368	
10 mg/m3	ANIMAL ID										
	00503	00503	00503	00503	00503	00503	00503	00503	00503	00503	
	5503	5503	5503	5503	5503	5503	5503	5503	5503	5503	
	3678	3678	3678	3678	3678	3678	3678	3678	3678	3678	
											* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	M	+	+	+	+	+	+	+	+	9		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10		
Liver	+	+	+	+	+	+	+	+	+	+	10		
Infiltration Cellular, Histiocyte								2				1	2.0
Pigmentation, Hemosiderin								3				1	3.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10		
Atrophy			1									1	1.0
Inflammation, Chronic Active								1				1	1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10		

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE 10 mg/m3	DAY ON TEST										ANIMAL ID	
	0368	0368	0368	0368	0368	0368	0368	0368	0368	0368		
	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000		
	55033	55033	55033	55033	55033	55033	55033	55033	55033	55033		
	36789	36789	36789	36789	36789	36789	36789	36789	36789	36789		
	* TOTALS											
Blood Vessel	+	+	+	+	+	+	+	+	+	+		10
Heart	+	+	+	+	+	+	+	+	+	+		10
ENDOCRINE SYSTEM												
Adrenal Cortex Hyperplasia	+	+	+	+	+	+	+	+	+	+		10 1 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+		10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+		10
Parathyroid Gland	+	M	+	M	+	+	+	+	+	+		8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+		10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+		10
GENERAL BODY SYSTEM												
NONE												
GENITAL SYSTEM												
Clitoral Gland Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+		10 3 1.0
Ovary Cyst	+	+	+	+	+	+	+	+	+	+		10 4 1.5

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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

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 Antimony trioxide
 CAS Number: 1309-64-4

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 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	
		6	6	6	6	6	6	6	6	6	
		8	8	8	8	8	8	8	8	8	
10 mg/m3	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	5	
		0	0	0	0	0	2	3	3	4	
		3	6	7	8	9	3	4	8	4	
* TOTALS											
Uterus		+	+	+	+	+	+	+	+	+	10
Endometrial Glands, Metaplasia, Squamous					1						1 1.0
HEMATOPOIETIC SYSTEM											
Bone Marrow		+	+	+	+	+	+	+	+	+	10
Hyperplasia			1	1	1						3 1.0
Lymph Node, Bronchial		+	+	M	+	+	+	+	+	+	9
Foreign Body		X	X		X	X	X	X	X	X	9
Hyperplasia, Lymphoid							1		1		2 1.0
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mediastinal		+	+	+	+	+	+	+	+	+	10
Foreign Body			X		X		X	X		X	5
Pigmentation		1	2	2	1	1	1		1	1	8 1.3
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation		1				1	1		1	1	6 1.0
Thymus		+	+	+	+	+	+	+	+	+	10
Cyst			2					2			2 2.0
INTEGUMENTARY SYSTEM											
Mammary Gland		+	+	+	+	+	+	+	+	+	10

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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE 10 mg/m3	DAY ON TEST										
	0368	0368	0368	0368	0368	0368	0368	0368	0368	0368	
ANIMAL ID	00503	00503	00503	00503	00503	00503	00503	00503	00503	00503	
	00503	00503	00503	00503	00503	00503	00503	00503	00503	00503	
	00503	00503	00503	00503	00503	00503	00503	00503	00503	00503	
	00503	00503	00503	00503	00503	00503	00503	00503	00503	00503	
											* TOTALS
Skin	+	+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM											
Bone	+	+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM											
Brain	+	+	+	+	+	+	+	+	+	+	10
RESPIRATORY SYSTEM											
Larynx	+	+	+	+	+	+	+	+	+	+	10
Foreign Body	X	X	X	X	X	X	X	X	X	X	10
Lung	+	+	+	+	+	+	+	+	+	+	10
Fibrosis	1	1	1	1	1	1	1	1	1	1	10 1.0
Foreign Body	X	X	X	X	X	X	X	X	X	X	10
Hemorrhage						1					1 1.0
Inflammation, Chronic Active	2	2	2	2	2	2	2	2	2	2	10 2.0
Proteinosis	3	3	3	3	3	3	2	3	3	2	10 2.8
Alveolar Epithelium, Hyperplasia	1	1	1	1	1	1	2	2	1	1	10 1.2
Perivascular, Infiltration Cellular, Lymphocyte	1			1	1	1			1		5 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Olfactory Epithelium, Accumulation, Hyaline Droplet								1			1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10
Foreign Body	X	X	X	X	X	X	X	X	X	X	10

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 1) Minimal 3) Moderate
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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE 10 mg/m3	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	
		6	6	6	6	6	6	6	6	6	
		8	8	8	8	8	8	8	8	8	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	5	
		0	0	0	0	0	2	3	3	4	
		3	6	7	8	9	3	4	8	4	
* TOTALS											

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10	
Retina, Atrophy				1							1	1.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10	

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Calculus Micro Observation Only				X							1	
Nephropathy								1			1	1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10	

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WISTAR HAN RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	
		6	6	6	6	6	6	6	6	6	
		8	8	8	8	8	8	8	8	8	
30 mg/m3	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	7	7	7	
		0	0	0	0	0	2	3	3	4	
		3	6	7	8	9	3	4	8	4	
											* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Atrophy	2	1									2 1.5
Inflammation, Chronic Active	1										1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
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Experiment Number: 20601 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Antimony trioxide
 CAS Number: 1309-64-4

Date Report Requested: 10/15/2014
 Time Report Requested: 14:18:25
 First Dose M/F: 09/22/08 / 09/22/08
 Lab: BNW

WISTAR HAN RATS FEMALE 30 mg/m3	DAY ON TEST										ANIMAL ID	
	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8		
	0 0 7 0 3	0 0 7 0 6	0 0 7 0 7	0 0 7 0 8	0 0 7 0 9	0 0 7 2 3	0 0 7 3 4	0 0 7 3 8	0 0 7 4 4	0 0 7 4 5		
												* TOTALS
Heart	+	+	+	+	+	+	+	+	+	+		10
Cardiomyopathy		1										1 1.0
ENDOCRINE SYSTEM												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+		10
Hyperplasia								2				1 2.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+		10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+		10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+		10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+		10
Pars Distalis, Hyperplasia				1								1 1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+		10
C-cell, Hyperplasia						1						1 1.0
GENERAL BODY SYSTEM												
NONE												
GENITAL SYSTEM												
Clitoral Gland	+	+	+	+	+	+	+	+	+	+		10
Inflammation, Chronic Active			3									1 3.0
Ovary	+	+	+	+	+	+	+	+	+	+		10

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WISTAR HAN RATS FEMALE 30 mg/m3	DAY ON TEST										ANIMAL ID	
	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8		
	0 0 7 0 3	0 0 7 0 6	0 0 7 0 7	0 0 7 0 8	0 0 7 0 9	0 0 7 2 3	0 0 7 3 4	0 0 7 3 8	0 0 7 3 4	0 0 7 4 5		
												* TOTALS

Uterus	+	+	+	+	+	+	+	+	+	+	10	
Endometrial Glands, Metaplasia, Squamous					1							1 1.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Bronchial	+	M	+	M	+	M	M	+	+	M	5	
Foreign Body	X				X			X	X			4
Hyperplasia, Lymphoid	1											1 1.0
Pigmentation								1				1 1.0
Lymph Node, Mandibular	+	M	+	+	+	+	+	+	M	+	8	
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	+	+	10	
Foreign Body		X	X	X		X		X	X			6
Hyperplasia, Lymphoid		2		2					1			3 1.7
Pigmentation	1		1	1	2	2	2		1	1		8 1.4
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation	1	1	1		1		1		1	1		7 1.0
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Hyperplasia, Squamous								1				1 1.0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10	
---------------	---	---	---	---	---	---	---	---	---	---	----	--

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 Lab: BNW

WISTAR HAN RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	
		6	6	6	6	6	6	6	6	6	
		8	8	8	8	8	8	8	8	8	
30 mg/m3	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	7	7	7	
		0	0	0	0	0	2	3	3	4	
		3	6	7	8	9	3	4	8	4	5
* TOTALS											
Skin		+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM											
Bone		+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM											
Brain		+	+	+	+	+	+	+	+	+	10
RESPIRATORY SYSTEM											
Larynx		+	+	+	+	+	+	+	+	+	10
Foreign Body		X	X	X	X	X	X	X	X	X	10
Lung		+	+	+	+	+	+	+	+	+	10
Fibrosis		1	1	1	1	1	2	1	1	1	10 1.1
Foreign Body		X	X	X	X	X	X	X	X	X	10
Hemorrhage								1			1 1.0
Inflammation, Chronic Active		2	2	2	3	2	2	3	2	2	10 2.3
Proteinosis		4	3	3	3	3	2	3	3	3	10 3.0
Alveolar Epithelium, Hyperplasia		1	1	1	2	1	1	3	1	2	10 1.4
Alveolus, Inflammation, Suppurative					1		1		1		3 1.0
Bronchiole, Epithelium, Hyperplasia		1			1			1			3 1.0
Perivascular, Infiltration Cellular, Lymphocyte		1					1			1	3 1.0
Nose		+	+	+	+	+	+	+	+	+	10
Foreign Body		X	X				X			X	4
Metaplasia, Mucous		1									1 1.0
Olfactory Epithelium, Accumulation, Hyaline Droplet				1				2			2 1.5

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 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

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WISTAR HAN RATS FEMALE 30 mg/m3	DAY ON TEST										ANIMAL ID	
	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8	0 3 6 8		
	0 0 7 0 3	0 0 7 0 6	0 0 7 0 7	0 0 7 0 8	0 0 7 0 9	0 0 7 2 3	0 0 7 3 4	0 0 7 3 8	0 0 7 3 4	0 0 7 4 5		
												* TOTALS
Respiratory Epithelium, Accumulation, Hyaline Droplet	1											1 1.0
Respiratory Epithelium, Hyperplasia	1											2 1.0
Respiratory Epithelium, Metaplasia, Squamous	1											1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+		10
Foreign Body	X	X	X	X	X	X	X	X	X	X		10
SPECIAL SENSES SYSTEM												
Eye	+	+	+	+	+	+	+	+	+	+		10
Retina, Atrophy	1											1 1.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+		10
URINARY SYSTEM												
Kidney	+	+	+	+	+	+	+	+	+	+		10
Nephropathy	1											2 1.0
Cortex, Vein, Dilatation	1											1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+		10

*** END OF REPORT ***

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