

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

NTP Study Number: C20516
Lock Date: 05/16/2007
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

Experiment Number: 20516 - 01
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Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55694

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
* Kidney	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Lung	Inflammation	Chronic Active, Mild
* Prostate	Hyperplasia	Focal, Minimal

Experiment Number: 20516 - 01
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Route: RESPIRATORY EXPOSURE WHOLE BODY
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Metal working fluids (Trim SC210)
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Date Report Requested: 07/18/2016
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First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55695

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
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Mammary Gland
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OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Larynx	Erosion	Minimal
	Inflammation	Acute, Minimal
* Liver	Inflammation	Chronic Active, Minimal
* Lung	Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
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Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55696

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	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic Active, Minimal
* Lung	Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
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First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55697

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, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Chronic Active, Minimal
* Trachea	Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55698

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	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Liver		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
	Arteriole	Mineralization	Minimal
* Lymph Node, Mandibular		Hyperplasia	Mild

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis	Inflammation	Chronic Active, Mild
* Harderian Gland	Inflammation	Chronic Active, Minimal
* Heart	Cardiomyopathy	Mild
* Larynx	Inflammation	Acute, Mild
	Ulcer	Mild
* Liver	Inflammation	Chronic Active, Minimal
* Lung	Inflammation	Chronic Active, Mild
	Inflammation	Granulomatous, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55700

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 Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Meninges	Inflammation	Chronic Active, Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum	Arteriole	Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Larynx		Inflammation	Acute, Minimal
		Ulcer	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Mild

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Bronchial | * Lymph Node, Mandibular |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose | * 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

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------------------|-----------|----------------|-------------------------|
| * Harderian Gland | | Inflammation | Chronic Active, Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Large, Rectum | Arteriole | Inflammation | Chronic Active, Minimal |
| * Kidney | | Nephropathy | Mild |
| * Larynx | | Erosion | Minimal |
| | | Inflammation | Acute, Minimal |
| * Liver | | Inflammation | Chronic Active, Minimal |
| * Lung | | Inflammation | Chronic Active, Minimal |
| | Arteriole | Mineralization | Minimal |

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55702

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	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Minimal
* Lung	Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55703

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	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Minimal
* Lung	Cyst	Mild
	Inflammation	Chronic Active, Minimal

[Cyst TGLs = 1-5]

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
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First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Lung

* Nose

Olfactory Epi

Respirat Epith

Goblet Cell

Olfactory Epi

Respirat Epith

Metaplasia

Inflammation

Accumulation, Hyaline Droplet

Accumulation, Hyaline Droplet

Hyperplasia

Inflammation

Inflammation

Squamous, Mild

Chronic Active, Minimal

Mild

Mild

Mild

Suppurative, Minimal

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Lung

* Nose

Olfactory Epi

Respirat Epith

Goblet Cell

Olfactory Epi

Respirat Epith

Metaplasia

Inflammation

Accumulation, Hyaline Droplet

Accumulation, Hyaline Droplet

Hyperplasia

Inflammation

Inflammation

Squamous, Mild

Chronic Active, Minimal

Mild

Mild

Mild

Suppurative, Minimal

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
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First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
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Species/Strain: RATS/F344/N Tac

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Date Report Requested: 07/18/2016
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First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
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Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 205

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Lung

* Nose

Olfactory Epi

Respirat Epith

Goblet Cell

Olfactory Epi

Respirat Epith

Metaplasia

Inflammation

Accumulation, Hyaline Droplet

Accumulation, Hyaline Droplet

Hyperplasia

Inflammation

Inflammation

Squamous, Mild

Chronic Active, Minimal

Mild

Mild

Mild

Suppurative, Minimal

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Mild
Liver		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule	TGLs = 1-7]		
Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Lung

* Nose

Olfactory Epi

Respirat Epith

Goblet Cell

Olfactory Epi

Respirat Epith

Metaplasia

Inflammation

Accumulation, Hyaline Droplet

Accumulation, Hyaline Droplet

Hyperplasia

Inflammation

Inflammation

Squamous, Mild

Chronic Active, Minimal

Mild

Mild

Mild

Suppurative, Minimal

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Lung

Alveolus

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 401

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Minimal Chronic Active, Minimal Squamous, Mild
Lung		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 402

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 403

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 404

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Squam Epithel

Erosion

Mild

Hyperplasia

Minimal

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Moderate

Inflammation

Chronic Active, Minimal

Lung

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 405

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Moderate

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 406

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Minimal Chronic Active, Minimal Squamous, Mild
Lung		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 407

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Moderate

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 408

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Moderate

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 409

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Erosion

Minimal

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Inflammation

Chronic Active, Minimal

Lung

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Minimal Chronic Active, Minimal Squamous, Mild
Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Marked
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 602

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Moderate
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 603

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Moderate
* Lung		Inflammation Metaplasia	Chronic Active, Minimal Osseous, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Moderate
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 605

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Squam Epithel

Erosion

Minimal

Hyperplasia

Mild

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Moderate

Inflammation

Chronic Active, Minimal

* Lung

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 606

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia Mineralization	Mild Chronic Active, Minimal Squamous, Marked Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 607

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Moderate
* Lung		Inflammation	Chronic Active, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 608

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Moderate
Liver	[Hepatodiaphragmatic Nodule	Hepatodiaphragmatic Nodule	Minimal
	TGLs = 1-7]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 609

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Moderate Chronic Active, Minimal Squamous, Moderate
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Moderate
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 801

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Moderate
* Lung	Alveolus	Infiltration Cellular Inflammation Congestion	Histiocyte, Minimal Chronic Active, Minimal Mild
Lymph Node, Mediastinal [Congestion TGLs = 1-3]			
* Nose	Olfactory Epi Respirat Epith Goblet Cell Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet Hyperplasia Inflammation Inflammation	Mild Mild Mild Suppurative, Minimal Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 802

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Marked
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 803

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Marked
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 804

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Moderate
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 805

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Moderate
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 806

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Marked
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 807

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Marked
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi Respirat Epith Goblet Cell Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet Hyperplasia Inflammation Inflammation	Mild Mild Mild Suppurative, Minimal Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 808

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Marked
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 809

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Marked
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 810

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Marked
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1001

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55714

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 |
| * Kidney | * Liver | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * 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 | * Mammary Gland |
|-------------------------|-----------------|

OBSERVATIONS

- | | | | |
|----------|----------------|-------------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Larynx | Squam Epithel | Hyperplasia | Marked |
| | | Inflammation | Chronic Active, Mild |
| | | Metaplasia | Squamous, Marked |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Moderate |
| | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Goblet Cell | Hyperplasia | Mild |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| | Respirat Epith | Inflammation | Suppurative, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20516 - 01
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
 CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
 Time Report Requested: 14:31:22
 First Dose M/F: 08/14/06 / 08/14/06
 Lab: BNW

ANIMAL ID: 1002

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55715

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

* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
		Metaplasia	Osseous, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20516 - 01
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
 CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
 Time Report Requested: 14:31:22
 First Dose M/F: 08/14/06 / 08/14/06
 Lab: BNW

ANIMAL ID: 1003

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Kidney	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Harderian Gland		Inflammation	Chronic Active, Minimal
* Larynx	Squam Epithel	Hyperplasia	Marked
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
	Arteriole	Mineralization	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20516 - 01
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
 CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
 Time Report Requested: 14:31:22
 First Dose M/F: 08/14/06 / 08/14/06
 Lab: BNW

ANIMAL ID: 1004

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55717

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
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* 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

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Marked
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Marked
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Ectasia	Moderate
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1005

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55718

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
* Kidney	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Moderate Chronic Active, Mild Squamous, Marked
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1006

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55719

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
* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Urinary Bladder		

MISSING

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

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Marked
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal
* Trachea		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1007

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55720

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 Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain	Meninges	Inflammation	Chronic Active, Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum	Arteriole	Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Marked
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
	Arteriole	Mineralization	Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20516 - 01
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
 CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
 Time Report Requested: 14:31:22
 First Dose M/F: 08/14/06 / 08/14/06
 Lab: BNW

ANIMAL ID: 1008

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55721

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
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* 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

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Marked
* Liver		Hepatodiaphragmatic Nodule	Minimal
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule	TGLs = 1-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
		Metaplasia	Osseous, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1009

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55722

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 Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* 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

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum	Arteriole	Inflammation	Chronic Active, Minimal
* Larynx	Squam Epithel	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Marked
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1010

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55723

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 |
| * Liver | * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Pancreas | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|----------|----------------|-------------------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Larynx | Squam Epithel | Hyperplasia | Marked |
| | | Inflammation | Chronic Active, Mild |
| | | Metaplasia | Squamous, Marked |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Mild |
| | Goblet Cell | Hyperplasia | Mild |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| | Respirat Epith | Inflammation | Suppurative, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 101

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55704

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, 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		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Liver	Inflammation	Chronic Active, Minimal
* Lung	Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 102

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55705

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, 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		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Liver	Inflammation	Chronic Active, Minimal
* Lung	Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 103

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55706

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, 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		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Liver	Inflammation	Chronic Active, Minimal
* Lung	Inflammation	Chronic Active, Mild

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55707

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
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Lung	Inflammation	Chronic Active, Mild
* Pancreas	Atrophy	Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 105

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55708

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, 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

* Liver	Inflammation	Chronic Active, Minimal
* Lung	Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 106

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55709

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	* 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			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Larynx	Inflammation	Chronic Active, Minimal
* Liver	Inflammation	Chronic Active, Minimal
* Lung	Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 107

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55710

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, 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		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Liver		Inflammation	Chronic Active, Mild
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis	TGLs = 1-7]		

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 108

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55711

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
* Kidney	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* 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

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Liver	Inflammation	Chronic Active, Mild
* Lung	Inflammation	Chronic Active, Minimal
* Nose	Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Heart	* 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, 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		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Harderian Gland	Inflammation	Chronic Active, Minimal
* Lung	Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 110

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 mg/m3

DISP: Terminal Sacrifice

HISTO: 55713

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
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Liver	Inflammation	Chronic Active, Minimal
* Lung	Inflammation	Chronic Active, Minimal
* Pancreas	Atrophy	Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Minimal Chronic Active, Minimal Squamous, Mild
Liver	[Hepatodiaphragmatic Nodule	Hepatodiaphragmatic Nodule	Mild
Lung	TGLs = 1-7]	Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Minimal

Liver

Hepatodiaphragmatic Nodule

Minimal

[Hepatodiaphragmatic Nodule TGLs = 1-6]

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Minimal

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Minimal Chronic Active, Minimal Squamous, Mild
Liver	[Hepatodiaphragmatic Nodule	Hepatodiaphragmatic Nodule	Minimal
Lung	TGLs = 1-14]	Inflammation	Chronic Active, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Mild

Metaplasia

Squamous, Mild

Lung

Inflammation

Chronic Active, Mild

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Metaplasia	Minimal Squamous, Minimal
Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Minimal Chronic Active, Minimal Squamous, Minimal
Lung		Inflammation	Chronic Active, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Minimal Chronic Active, Minimal Squamous, Mild
Liver	[Hepatodiaphragmatic Nodule TGLs = 2-6]	Hepatodiaphragmatic Nodule	Mild
Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi Respirat Epith Goblet Cell Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet Hyperplasia Inflammation Inflammation	Mild Mild Mild Suppurative, Minimal Suppurative, Minimal
Ovary	[Cyst TGLs = 1-9]	Cyst	Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Liver

Hepatodiaphragmatic Nodule

Mild

[Hepatodiaphragmatic Nodule TGLs = 1-6]

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 25 mg/m3

DISP: Terminal Sacrifice

HISTO: 55813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Squam Epithel

Hyperplasia

Minimal

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Inflammation

Chronic Active, Minimal

Lung

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Squam Epithel

Hyperplasia

Minimal

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Inflammation

Chronic Active, Minimal

Lung

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Trachea

OBSERVATIONS

* Larynx

Squam Epithel

Hyperplasia

Minimal

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Liver

Hepatodiaphragmatic Nodule

Minimal

[Hepatodiaphragmatic Nodule

TGLs = 1-7]

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 503

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Squam Epithel

Hyperplasia

Minimal

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Inflammation

Chronic Active, Minimal

Lung

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 504

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx		Inflammation	Chronic Active, Minimal
		Metaplasia	Squamous, Mild
Liver		Hepatodiaphragmatic Nodule	Mild
	[Hepatodiaphragmatic Nodule TGLs = 1-6]		
Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 505

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Lung

* Nose

Olfactory Epi

Respirat Epith

Goblet Cell

Olfactory Epi

Respirat Epith

Metaplasia

Inflammation

Accumulation, Hyaline Droplet

Accumulation, Hyaline Droplet

Hyperplasia

Inflammation

Inflammation

Squamous, Mild

Chronic Active, Minimal

Mild

Mild

Mild

Suppurative, Minimal

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 506

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Minimal Chronic Active, Minimal Squamous, Marked
Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 507

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Minimal

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 508

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Lung

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 510

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 mg/m3

DISP: Terminal Sacrifice

HISTO: 55793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx

Inflammation

Chronic Active, Minimal

Metaplasia

Squamous, Mild

Lung

Alveolus

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 701

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Moderate
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal
Ovary		Cyst	Mild

[Cyst TGLs = 1-9]

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 702

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Moderate
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 703

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Moderate
Liver	[Hepatodiaphragmatic Nodule	Hepatodiaphragmatic Nodule	Minimal
* Lung	TGLs = 1-14]	Inflammation Metaplasia	Chronic Active, Mild Osseous, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 704

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Moderate
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 705

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Mild
* Lung		Inflammation Metaplasia	Chronic Active, Minimal Osseous, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 706

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Mild
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 707

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Moderate
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 708

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Minimal Squamous, Moderate
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 709

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Moderate Chronic Active, Mild Squamous, Moderate
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 710

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 100 mg/m3

DISP: Terminal Sacrifice

HISTO: 55773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Moderate
* Lung		Inflammation	Chronic Active, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 901

TRT#: 10

SEX: Female

DAY ON TEST: 94

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Moderate
* Lung		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 902

TRT#: 10

SEX: Female

DAY ON TEST: 94

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Trachea

OBSERVATIONS

* Larynx

Squam Epithel

Hyperplasia

Mild

Inflammation

Chronic Active, Mild

Metaplasia

Squamous, Moderate

* Lung

Alveolus

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Chronic Active, Minimal

* Nose

Olfactory Epi

Accumulation, Hyaline Droplet

Mild

Respirat Epith

Accumulation, Hyaline Droplet

Mild

Goblet Cell

Hyperplasia

Mild

Olfactory Epi

Inflammation

Suppurative, Minimal

Respirat Epith

Inflammation

Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 903

TRT#: 10

SEX: Female

DAY ON TEST: 94

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Moderate Chronic Active, Mild Squamous, Moderate
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 904

TRT#: 10

SEX: Female

DAY ON TEST: 94

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Moderate Chronic Active, Mild Squamous, Moderate
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 905

TRT#: 10

SEX: Female

DAY ON TEST: 94

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Moderate
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 906

TRT#: 10

SEX: Female

DAY ON TEST: 94

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Moderate
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 907	TRT#: 10 DOSE: 200 mg/m3	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 94 HISTO: 55750
OBSERVATIONS			
* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Marked
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Mild
* Nose	Olfactory Epi Respirat Epith Goblet Cell Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet Hyperplasia Inflammation Inflammation	Mild Mild Mild Suppurative, Minimal Suppurative, Minimal
Trachea		Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 908	TRT#: 10 DOSE: 200 mg/m3	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 94 HISTO: 55751
OBSERVATIONS			
* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Moderate Chronic Active, Mild Squamous, Moderate
* Lung		Inflammation Metaplasia	Chronic Active, Minimal Osseous, Minimal
* Nose	Olfactory Epi Respirat Epith Goblet Cell Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet Hyperplasia Inflammation Inflammation	Mild Mild Mild Suppurative, Minimal Suppurative, Minimal
Ovary		Cyst	Minimal
[Cyst TGLs = 1-9]			
Trachea		Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 909

TRT#: 10

SEX: Female

DAY ON TEST: 94

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Moderate Chronic Active, Mild Squamous, Moderate
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 910

TRT#: 10

SEX: Female

DAY ON TEST: 94

DOSE: 200 mg/m3

DISP: Terminal Sacrifice

HISTO: 55753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Trachea

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Moderate
Liver	[Hepatodiaphragmatic Nodule	Hepatodiaphragmatic Nodule	Mild
* Lung	TGLs = 1-6] Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Olfactory Epi Respirat Epith Goblet Cell Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet Hyperplasia Inflammation Inflammation	Mild Mild Mild Suppurative, Minimal Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1101

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lymph Node, Bronchial | * Lymph Node, Mandibular | * 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 | * Uterus | |

OBSERVATIONS

- | | | | |
|-------------------|----------------|-------------------------------|-------------------------|
| * Harderian Gland | | Inflammation | Chronic Active, Minimal |
| * Larynx | Squam Epithel | Hyperplasia | Marked |
| | | Inflammation | Chronic Active, Mild |
| | | Metaplasia | Squamous, Marked |
| * Liver | | Inflammation | Chronic Active, Mild |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Mineralization | Minimal |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Mild |
| | Goblet Cell | Hyperplasia | Mild |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| | Respirat Epith | Inflammation | Suppurative, Minimal |
| * Ovary | | Cyst | Mild |

[Cyst TGLs = 1-9]

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1102

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55725

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Marked
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1103

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55726

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	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* 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

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Marked Chronic Active, Mild Squamous, Marked
* Liver		Inflammation Necrosis	Chronic Active, Minimal Chronic, Focal, Mild
[Necrosis TGLs = 1-14]			
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Mild
* Nose	Olfactory Epi Respirat Epith Goblet Cell Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet Hyperplasia Inflammation Inflammation	Mild Mild Mild Suppurative, Mild Suppurative, Mild

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1104

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55727

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	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Marked Chronic Active, Mild Squamous, Marked
* Liver	[Hepatodiaphragmatic Nodule TGLs = 1-14]	Hepatodiaphragmatic Nodule	Mild
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Mild
* Nose	Respirat Epith Olfactory Epi Goblet Cell Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet Hyperplasia Inflammation Inflammation	Mild Mild Mild Suppurative, Minimal Suppurative, Minimal
* Ovary	[Cyst TGLs = 2-9]	Cyst	Minimal
* Trachea		Inflammation	Chronic Active, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1105

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55728

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, Mandibular | * Lymph Node, Mediastinal | * 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

OBSERVATIONS

- | | | | |
|------------------|----------------|-----------------------------------|-------------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | Mild |
| * Larynx | Squam Epithel | Hyperplasia | Marked |
| | | Inflammation | Chronic Active, Mild |
| | | Metaplasia | Squamous, Marked |
| * Liver | | Inflammation | Chronic Active, Minimal |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Nose | Respirat Epith | Accumulation, Hyaline Droplet | Mild |
| | Olfactory Epi | Accumulation, Hyaline Droplet | Mild |
| | Goblet Cell | Hyperplasia | Mild |
| | Olfactory Epi | Inflammation | Suppurative, Minimal |
| | Respirat Epith | Inflammation | Suppurative, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1106

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55729

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 Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* 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

OBSERVATIONS

* Intestine Large, Rectum	Arteriole	Inflammation	Chronic Active, Minimal
* Larynx	Squam Epithel	Hyperplasia	Marked
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Marked
* Liver		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
 CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
 Time Report Requested: 14:31:22
 First Dose M/F: 08/14/06 / 08/14/06
 Lab: BNW

ANIMAL ID: 1107

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55730

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
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* 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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Larynx	Squam Epithel	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Marked
* Liver		Basophilic Focus	Moderate
		Hepatodiaphragmatic Nodule	Mild
	[Hepatodiaphragmatic Nodule		
* Lung	TGLs = 2-6] Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1108

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55731

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	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Mild Chronic Active, Mild Squamous, Moderate
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Mild
* Nose	Respirat Epith Olfactory Epi Goblet Cell Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Accumulation, Hyaline Droplet Hyperplasia Inflammation Inflammation	Mild Mild Mild Suppurative, Minimal Suppurative, Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1109

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55732

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

OBSERVATIONS

* Larynx	Squam Epithel	Hyperplasia Inflammation Metaplasia	Marked Chronic Active, Mild Squamous, Marked
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

Experiment Number: 20516 - 01
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F344/N Tac

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Metal working fluids (Trim SC210)
CAS Number: TRIMSC210

Date Report Requested: 07/18/2016
Time Report Requested: 14:31:22
First Dose M/F: 08/14/06 / 08/14/06
Lab: BNW

ANIMAL ID: 1110

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 400 mg/m3

DISP: Terminal Sacrifice

HISTO: 55733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* 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

OBSERVATIONS

* Harderian Gland		Inflammation	Chronic Active, Minimal
* Larynx	Squam Epithel	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Moderate
* Liver		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Nose	Respirat Epith	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Suppurative, Minimal
	Respirat Epith	Inflammation	Suppurative, Minimal

*** END OF REPORT ***