

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

p-Chloro-a,a,a-trifluorotoluene

**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016

**Time Report Requested:** 10:34:45

**First Dose M/F:** 10/26/09 / 10/26/09

**Lab:** BNW

F2\_HSD Rats

**NTP Study Number:** C10472  
**Lock Date:** 06/08/2010  
**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: 10472 - 01

Test Type: 90-DAY

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Species/Strain: RATS/HSD

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p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                           |                            |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel              | * Bone                     |
| * Bone Marrow             | * Brain                     | * Epididymis              | * Esophagus                |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum  | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Larynx                    | * Liver                   | * Lung                     |
| * 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

- |                   |               |                               |                     |
|-------------------|---------------|-------------------------------|---------------------|
| * Eye             | Retrobulbar   | Inflammation                  | Neutrophil, Minimal |
| * Kidney          |               | Accumulation, Hyaline Droplet | Minimal             |
|                   |               | Nephropathy                   | Chronic, Minimal    |
| * Nose            | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal             |
| * Preputial Gland |               | Inflammation                  | Chronic, Minimal    |

\* PROTOCOL REQUIRED TISSUE

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CAS Number: 98-56-6

Date Report Requested: 08/05/2016

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First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |                   |               |                               |                         |
|-------------------|---------------|-------------------------------|-------------------------|
| * Harderian Gland |               | Inflammation                  | Chronic, Minimal        |
| * Heart           |               | Cardiomyopathy                | Minimal                 |
| * Kidney          |               | Accumulation, Hyaline Droplet | Minimal                 |
|                   |               | Nephropathy                   | Chronic, Mild           |
| * Larynx          |               | Inflammation                  | Neutrophil, Minimal     |
| * Liver           |               | Inflammation                  | Chronic Active, Minimal |
| * Nose            | Olfactory Epi | Accumulation, Hyaline Droplet | Mild                    |
| * Prostate        |               | Inflammation                  | Chronic, Minimal        |

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**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 3

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 62029

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Harderian Gland		Inflammation	Chronic, Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Chronic, Mild
* Lung		Infiltration Cellular	Histiocyte, Focal, Minimal
* Lymph Node, Mandibular		Congestion	Moderate
[ Congestion TGLs = 1-15 ]			
* Pancreas	Acinus	Atrophy	Minimal

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**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
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**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 4

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 62030

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | Blood Vessel               | * Bone                    |
| * Bone Marrow               | * Brain                  | * Esophagus                | * Eye                     |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lung                   | * Lymph Node, Bronchial    | * Lymph Node, Mandibular  |
| * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * Mammary Gland            | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Preputial Gland          | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Spleen                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

**OBSERVATIONS**

- |              |                |                               |                         |
|--------------|----------------|-------------------------------|-------------------------|
| * Epididymis |                | Hypospermia                   | Marked                  |
| * Heart      |                | Cardiomyopathy                | Minimal                 |
| * Kidney     |                | Accumulation, Hyaline Droplet | Minimal                 |
|              |                | Nephropathy                   | Chronic, Minimal        |
| * Larynx     |                | Inflammation                  | Chronic Active, Minimal |
| * Nose       | Olfactory Epi  | Accumulation, Hyaline Droplet | Minimal                 |
| * Prostate   |                | Inflammation                  | Chronic Active, Mild    |
| * Testes     | Germinal Epith | Atrophy                       | Marked                  |
- [ Atrophy TGLs = 1-9 ]

Experiment Number: 10472 - 01

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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CAS Number: 98-56-6

Date Report Requested: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |          |               |  |                          |
|----------|---------------|--|--------------------------|
| * Kidney |               | Accumulation, Hyaline Droplet<br>Nephropathy | Minimal<br>Chronic, Mild |
| * Nose   | Olfactory Epi | Accumulation, Hyaline Droplet                | Minimal                  |

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p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
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First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Chronic, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic, Minimal

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Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

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Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* 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		

OBSERVATIONS

* Harderian Gland	Inflammation	Chronic, Minimal
* Kidney	Accumulation, Hyaline Droplet	Minimal
	Nephropathy	Chronic, Mild



Experiment Number: 10472 - 01

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

**ANIMAL ID:** 8

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 62034

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

- \* Parathyroid Gland

**OBSERVATIONS**

- |                   |                               |                     |
|-------------------|-------------------------------|---------------------|
| * Harderian Gland | Inflammation                  | Neutrophil, Minimal |
| * Kidney          | Accumulation, Hyaline Droplet | Minimal             |
|                   | Nephropathy                   | Chronic, Mild       |
| * Lung            | Metaplasia                    | Osseous, Minimal    |

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Species/Strain: RATS/HSD

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p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
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First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Lymph Node, Bronchial

OBSERVATIONS

* Harderian Gland	Inflammation	Chronic, Moderate
* Kidney	Accumulation, Hyaline Droplet	Minimal
	Nephropathy	Chronic, Minimal
* Prostate	Inflammation	Chronic, Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

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First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* 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	* Trachea
* Urinary Bladder			

MISSING

\* Mammary Gland

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Accumulation, Hyaline Droplet	Minimal
	Nephropathy	Chronic, Mild

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**Lab:** BNW

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**ANIMAL ID:** 201

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62127

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex  
Testes

Adrenal Medulla  
Thymus

Epididymis

\* Liver

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**OBSERVATIONS**

\* Harderian Gland  
\* Kidney

Inflammation  
Accumulation, Hyaline Droplet  
Nephropathy

Chronic, Mild  
Minimal  
Chronic, Mild

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**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
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**CAS Number:** 98-56-6

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**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

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**ANIMAL ID:** 202

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62128

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Testes

Adrenal Medulla  
Thymus

Epididymis

\* Liver

---

**OBSERVATIONS**

\* Harderian Gland  
\* Kidney

Inflammation  
Accumulation, Hyaline Droplet  
Nephropathy

Chronic, Minimal  
Minimal  
Chronic, Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

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**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

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**ANIMAL ID:** 203

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62129

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Testes

Adrenal Medulla  
Thymus

Epididymis

\* Liver

---

**OBSERVATIONS**

\* Harderian Gland  
\* Kidney

Inflammation  
Accumulation, Hyaline Droplet  
Nephropathy

Chronic, Minimal  
Minimal  
Chronic, Minimal

---

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
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First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

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ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 125 ppm

DISP: Terminal Sacrifice

HISTO: 62130

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ORGAN AND ACCOUNTABLE SITE STATUS

---

NORMAL

Adrenal Cortex  
\* Liver

Adrenal Medulla  
Testes

Epididymis  
Thymus

\* Harderian Gland

---

OBSERVATIONS

\* Kidney

Accumulation, Hyaline Droplet  
Nephropathy

Minimal  
Chronic, Minimal

---

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**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
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**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 205

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62131

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex  
Testes

Adrenal Medulla  
Thymus

Epididymis

\* Liver

**OBSERVATIONS**

\* Harderian Gland

Degeneration  
Inflammation

Minimal  
Chronic, Moderate

Note: Focal necrosis of alveolar epithelium was associated with the inflammation.

\* Kidney

Accumulation, Hyaline Droplet  
Nephropathy

Minimal  
Chronic, Minimal



**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 206

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62132

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Testes

Adrenal Medulla  
Thymus

Epididymis

\* Liver

---

**OBSERVATIONS**

\* Harderian Gland  
\* Kidney

Inflammation  
Accumulation, Hyaline Droplet  
Nephropathy

Chronic, Moderate  
Minimal  
Chronic, Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 207

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62133

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
\* Liver

Adrenal Medulla  
Testes

Epididymis  
Thymus

\* Harderian Gland

---

**OBSERVATIONS**

\* Kidney

Accumulation, Hyaline Droplet  
Nephropathy

Minimal  
Chronic, Minimal

---

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

---

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 125 ppm

DISP: Terminal Sacrifice

HISTO: 62134

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

NORMAL

Adrenal Cortex  
\* Liver

Adrenal Medulla  
Testes

Epididymis  
Thymus

\* Harderian Gland

---

OBSERVATIONS

\* Kidney

Accumulation, Hyaline Droplet  
Nephropathy

Minimal  
Chronic, Mild

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 209

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62135

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Testes

Adrenal Medulla  
Thymus

Epididymis

\* Liver

---

**OBSERVATIONS**

\* Harderian Gland  
\* Kidney

Inflammation  
Accumulation, Hyaline Droplet  
Nephropathy

Chronic, Mild  
Minimal  
Chronic, Mild

---

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

---

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 125 ppm

DISP: Terminal Sacrifice

HISTO: 62136

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

NORMAL

Adrenal Cortex  
\* Liver

Adrenal Medulla  
Testes

Epididymis  
Thymus

\* Harderian Gland

---

OBSERVATIONS

\* Kidney

Accumulation, Hyaline Droplet  
Nephropathy

Minimal  
Chronic, Minimal

---

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 401

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 250 ppm

DISP: Terminal Sacrifice

HISTO: 62107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Adrenal Medulla

Thymus

OBSERVATIONS

Epididymis

Duct

Exfoliated Germ Cell

Marked

Hypospermia

Marked

Degeneration

Minimal

Inflammation

Chronic, Minimal

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Minimal

Hypertrophy

Minimal

Degeneration

Marked

\* Liver

Centrilobular, Hepatocyte

Testes

Germ Cell

[ Degeneration TGLs = 1-9 ]

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 402

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 250 ppm

DISP: Terminal Sacrifice

HISTO: 62108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 403

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 250 ppm

DISP: Terminal Sacrifice

HISTO: 62109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Minimal

Intestine Large, Colon

Hyperplasia

Lymphoid, Marked

[ Hyperplasia TGLs = 1-8 ]

\* Kidney

Accumulation, Hyaline Droplet

Minimal

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal



Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

---

ANIMAL ID: 404

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 250 ppm

DISP: Terminal Sacrifice

HISTO: 62110

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

NORMAL

Adrenal Cortex  
Testes

Adrenal Medulla  
Thymus

Epididymis

\* Liver

---

OBSERVATIONS

\* Harderian Gland  
\* Kidney

Degeneration  
Accumulation, Hyaline Droplet  
Nephropathy

Mild  
Mild  
Chronic, Minimal

---

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 405

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 250 ppm

DISP: Terminal Sacrifice

HISTO: 62111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland

Degeneration  
Inflammation

Minimal  
Chronic, Moderate

Note: Focal necrosis of alveolar epithelium was associated with the inflammation.

\* Kidney

Accumulation, Hyaline Droplet  
Nephropathy

Mild  
Chronic, Moderate

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

Experiment Number: 10472 - 01

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

---

ANIMAL ID: 406

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 250 ppm

DISP: Terminal Sacrifice

HISTO: 62112

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Adrenal Medulla

Epididymis

\* Liver

Testes

Thymus

---

**OBSERVATIONS**

\* Harderian Gland

Inflammation

Chronic, Minimal

\* Kidney

Accumulation, Hyaline Droplet

Minimal

Nephropathy

Chronic, Mild

---

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 407

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 250 ppm

DISP: Terminal Sacrifice

HISTO: 62113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland

Degeneration  
Inflammation

Minimal  
Chronic, Moderate

Note: Focal necrosis of alveolar epithelium was associated with the inflammation.

Intestine Small, Ileum

Peyers Patch

Hyperplasia

Minimal

[ Hyperplasia TGLs = 1-15 ]

\* Kidney

Accumulation, Hyaline Droplet  
Nephropathy

Mild  
Chronic, Mild

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 408

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 250 ppm

DISP: Terminal Sacrifice

HISTO: 62114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland  
\* Kidney

Degeneration  
Accumulation, Hyaline Droplet  
Nephropathy

Minimal  
Minimal  
Chronic, Mild

\* Liver

Centrilobular, Hepatocyte

Hypertrophy  
Inflammation  
Congestion

Minimal  
Chronic Active, Minimal  
Mild

Lung

[ Congestion TGLs = 1-5, 2-4 ]

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 409

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 250 ppm

DISP: Terminal Sacrifice

HISTO: 62115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland

Degeneration  
Inflammation

Minimal  
Chronic, Minimal

Note: Focal necrosis of alveolar epithelium was associated with the inflammation.

\* Kidney

Accumulation, Hyaline Droplet  
Nephropathy

Minimal  
Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 410

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 250 ppm

DISP: Terminal Sacrifice

HISTO: 62116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 601

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 500 ppm

DISP: Terminal Sacrifice

HISTO: 62087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

Adrenal Medulla

Epididymis

Thymus

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Moderate

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

Testes

Seminif Tub

Spermatid Retention

Mild



**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 602

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62088

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Mild

Inflammation

Chronic, Mild

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

---

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 603

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 500 ppm

DISP: Terminal Sacrifice

HISTO: 62089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

Adrenal Medulla

Epididymis

Thymus

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Minimal

\* Liver

Clear Cell Focus

Hypertrophy

Minimal

Testes

Centrilobular, Hepatocyte

Seminif Tub

Spermatid Retention

Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 604

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 500 ppm

DISP: Terminal Sacrifice

HISTO: 62090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland

Degeneration

Mild

Inflammation

Chronic, Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 605

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 500 ppm

DISP: Terminal Sacrifice

HISTO: 62091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

Adrenal Medulla

Thymus

OBSERVATIONS

Epididymis

Hypospermia

Marked

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Inflammation

Chronic, Mild

Accumulation, Hyaline Droplet

Mild

\* Liver

Centrilobular, Hepatocyte

Nephropathy

Chronic, Mild

Hypertrophy

Minimal

Testes

Germinal Epith

Atrophy

Moderate

Seminif Tub

Dilation

Mild

Rete Testes

Dilation

Moderate

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 606

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 500 ppm

DISP: Terminal Sacrifice

HISTO: 62092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Mild

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 607

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 500 ppm

DISP: Terminal Sacrifice

HISTO: 62093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Moderate

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Moderate

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 608

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62094

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Mild

Inflammation

Chronic, Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Mild

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 609

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62095

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
Testes

Adrenal Medulla  
Thymus

Blood Vessel

Epididymis

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Mild

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Moderate

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal



Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 610

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 500 ppm

DISP: Terminal Sacrifice

HISTO: 62096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

Adrenal Medulla

Epididymis

Thymus

OBSERVATIONS

\* Harderian Gland

Degeneration

Mild

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Chronic, Mild

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

Testes

Seminif Tub

Spermatid Retention

Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

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**ANIMAL ID:** 801

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62067

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

---

**OBSERVATIONS**

\* Harderian Gland  
\* Kidney

Degeneration  
Accumulation, Hyaline Droplet  
Nephropathy

Minimal  
Moderate  
Chronic, Moderate

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 802

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62068

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

Adrenal Medulla

Epididymis

Thymus

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Moderate

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Mild

Testes

Seminif Tub

Spermatid Retention

Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 803

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 1000 ppm

DISP: Terminal Sacrifice

HISTO: 62069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

Adrenal Medulla

Thymus

OBSERVATIONS

Epididymis

Duct

Exfoliated Germ Cell

Minimal

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Inflammation

Chronic, Mild

Accumulation, Hyaline Droplet

Moderate

\* Liver

Centrilobular, Hepatocyte

Nephropathy

Chronic, Mild

Hypertrophy

Mild

Testes

Germ Cell

Degeneration

Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 804

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 1000 ppm

DISP: Terminal Sacrifice

HISTO: 62070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Minimal

\* Kidney

Accumulation, Hyaline Droplet

Moderate

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Mild

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 805

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 1000 ppm

DISP: Terminal Sacrifice

HISTO: 62071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Mild

\* Kidney

Accumulation, Hyaline Droplet

Moderate

Nephropathy

Chronic, Mild

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Mild

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 806

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62072

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

Adrenal Medulla

Epididymis

Thymus

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Moderate

Nephropathy

Chronic, Mild

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Mild

Testes

Germ Cell

Degeneration

Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 807

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62073

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
Thymus

Adrenal Medulla

Epididymis

Testes

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Minimal

\* Kidney

Accumulation, Hyaline Droplet

Moderate

Nephropathy

Chronic, Mild

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Mild

Lung

Inflammation

Chronic Active, Focal, Minimal

[ Inflammation TGLs = 1-5 ]



Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 808

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 1000 ppm

DISP: Terminal Sacrifice

HISTO: 62074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

Adrenal Medulla

Epididymis

Thymus

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Moderate

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Mild

Necrosis

Minimal

Testes

Seminif Tub

Spermatid Retention

Mild

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 809

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 1000 ppm

DISP: Terminal Sacrifice

HISTO: 62075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

Adrenal Medulla

Epididymis

Thymus

OBSERVATIONS

\* Harderian Gland

Degeneration

Mild

Inflammation

Chronic, Mild

\* Kidney

Accumulation, Hyaline Droplet

Moderate

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

Testes

Seminif Tub

Spermatid Retention

Mild

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 810

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 1000 ppm

DISP: Terminal Sacrifice

HISTO: 62076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

Adrenal Medulla

Epididymis

Thymus

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Minimal

\* Kidney

Accumulation, Hyaline Droplet

Moderate

Nephropathy

Chronic, Mild

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Mild

Testes

Seminif Tub

Spermatid Retention

Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 1001

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 2000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62047

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Esophagus	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Epididymis	Duct	Exfoliated Germ Cell	Mild
* Harderian Gland		Degeneration	Mild
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Chronic, Moderate
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Mammary Gland		Hyperplasia	Mild
* Testes	Germ Cell	Degeneration	Mild
	Seminif Tub	Spermatid Retention	Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 01  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
 Time Report Requested: 10:34:45  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

ANIMAL ID: 1002

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 2000 ppm

DISP: Terminal Sacrifice

HISTO: 62048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* 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	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Epididymis	Duct	Exfoliated Germ Cell	Minimal
* Eye		Infiltration Cellular	Polymorphnuclr, Mild
* Harderian Gland		Degeneration	Mild
		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung		Infiltration Cellular	Histiocyte, Focal, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Testes	Germ Cell	Degeneration	Minimal
	Seminif Tub	Spermatid Retention	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 1003

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 2000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62049

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**INSUFFICIENT TISSUE**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Epididymis	Duct	Exfoliated Germ Cell	Minimal
* Harderian Gland		Degeneration	Mild
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Chronic, Moderate
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung		Infiltration Cellular	Histiocyte, Focal, Minimal
* Testes	Germ Cell	Degeneration	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 1004

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 2000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62050

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Preputial Gland
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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Epididymis	Duct	Exfoliated Germ Cell	Mild
* Harderian Gland		Degeneration	Mild
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Testes	Germ Cell	Degeneration	Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 1005

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 2000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62051

**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
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* 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	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Mild
		Inflammation	Chronic, Mild
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Chronic, Moderate
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung		Infiltration Cellular	Histiocyte, Focal, Minimal



**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 1006

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 2000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62052

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Harderian Gland		Degeneration	Mild
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	[ Hepatodiaphragmatic Nodule TGLs = 1-15 ]		
* Lung		Infiltration Cellular	Histiocyte, Focal, Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 1007

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 2000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62053

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Harderian Gland		Degeneration	Mild
		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Chronic, Moderate
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
Note: Foci of necrotic hepatocytes were encompassed in the area of chronic active inflammation. [ Inflammation TGLs = 1-15 ]			
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 1008

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 2000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62054

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Epididymis	Duct	Exfoliated Germ Cell	Mild
* Harderian Gland		Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung		Metaplasia	Osseous, Minimal
* Testes	Germ Cell	Degeneration	Mild
	Seminif Tub	Spermatid Retention	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 01

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

ANIMAL ID: 1009

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 2000 ppm

DISP: Terminal Sacrifice

HISTO: 62055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                   |                           |                               |               |
|-------------------|---------------------------|-------------------------------|---------------|
| * Harderian Gland |                           | Degeneration                  | Mild          |
| * Kidney          |                           | Accumulation, Hyaline Droplet | Moderate      |
|                   |                           | Nephropathy                   | Chronic, Mild |
| * Liver           | Centrilobular, Hepatocyte | Hypertrophy                   | Mild          |

Experiment Number: 10472 - 01  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
 Time Report Requested: 10:34:45  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

ANIMAL ID: 1010

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 2000 ppm

DISP: Terminal Sacrifice

HISTO: 62056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Epididymis	Duct	Exfoliated Germ Cell	Minimal
* Harderian Gland		Degeneration	Mild
		Inflammation	Chronic, Mild
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Chronic, Moderate
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Necrosis	Mild
Note: The necrotic changes (accompanied by fibrosis) are due to torsion of the liver lobe.)			
		[ Necrosis TGLs = 1-6 ]	
* Testes	Germ Cell	Degeneration	Minimal
	Seminif Tub	Spermatid Retention	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 101

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

\* Lymph Node, Mediastinal

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 102

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 62038

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mediastinal

**OBSERVATIONS**

\* Kidney

Nephropathy

Chronic, Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 103

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Lung	Infiltration Cellular	Histiocyte, Focal, Minimal
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Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 104

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, 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

\* Kidney

Nephropathy

Chronic, Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 105

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, 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	Chronic, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 106

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, 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	Chronic, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 107

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, 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

* Kidney		Nephropathy	Chronic, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 108

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, 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	Chronic, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lung	* 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

MISSING

\* Clitoral Gland

OBSERVATIONS

* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
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Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 110

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 62046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Liver
* Lung	* 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

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
		Erosion	Mild

Experiment Number: 10472 - 01

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

---

**ANIMAL ID:** 301

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62137

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Adrenal Medulla

Liver

Mammary Gland

Thymus

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Nephropathy

Chronic, Minimal

---



**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 302

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62138

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Mammary Gland

Adrenal Medulla  
Thymus

\* Harderian Gland

Liver

---

**OBSERVATIONS**

\* Kidney

Nephropathy

Chronic, Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 303

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62139

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Liver

Adrenal Medulla  
Mammary Gland

\* Harderian Gland  
Thymus

\* Kidney

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 304

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62140

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Liver

Adrenal Medulla  
Mammary Gland

\* Harderian Gland  
Thymus

\* Kidney

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 305

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62141

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Mammary Gland

Adrenal Medulla  
Thymus

\* Kidney

Liver

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 306

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62142

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Liver

Adrenal Medulla  
Mammary Gland

\* Harderian Gland  
Thymus

\* Kidney

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 307

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62143

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Liver

Adrenal Medulla  
Mammary Gland

\* Harderian Gland  
Thymus

\* Kidney

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 308

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62144

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Liver

Adrenal Medulla  
Mammary Gland

\* Harderian Gland  
Thymus

\* Kidney

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 309

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62145

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Thymus

Adrenal Medulla

Liver

Mammary Gland

---

**OBSERVATIONS**

\* Harderian Gland  
\* Kidney

Atrophy  
Nephropathy

Minimal  
Chronic, Minimal

---



**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 310

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 125 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62146

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Thymus

Adrenal Medulla

Liver

Mammary Gland

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Minimal

\* Kidney

Nephropathy

Chronic, Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 501

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 250 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62117

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
\* Mammary Gland

Adrenal Medulla  
Thymus

\* Harderian Gland

Liver

---

**OBSERVATIONS**

\* Kidney

Nephropathy

Chronic, Minimal

---

Experiment Number: 10472 - 01

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

---

**ANIMAL ID:** 502

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 250 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62118

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Adrenal Medulla

Liver

\* Mammary Gland

Thymus

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Nephropathy

Chronic, Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 503

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 250 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62119

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Thymus

Adrenal Medulla

Liver

\* Mammary Gland

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Mild

\* Kidney

Nephropathy

Chronic, Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 504

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 250 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62120

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
\* Mammary Gland

Adrenal Medulla  
Thymus

\* Harderian Gland

Liver

---

**OBSERVATIONS**

\* Kidney

Nephropathy

Chronic, Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 505

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 250 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62121

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
\* Mammary Gland

Adrenal Medulla  
Thymus

\* Harderian Gland

Liver

---

**OBSERVATIONS**

\* Kidney

Nephropathy

Chronic, Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

p-Chloro-a,a,a-trifluorotoluene

**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016

**Time Report Requested:** 10:34:45

**First Dose M/F:** 10/26/09 / 10/26/09

**Lab:** BNW

---

**ANIMAL ID:** 506

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 250 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62122

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Adrenal Medulla

\* Harderian Gland

\* Kidney

Liver

\* Mammary Gland

Thymus

---

Experiment Number: 10472 - 01

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

---

**ANIMAL ID:** 507

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 250 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62123

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Adrenal Medulla

\* Kidney

Liver

\* Mammary Gland

Thymus

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Minimal

---



**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 508

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 250 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62124

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
\* Mammary Gland

Adrenal Medulla  
Thymus

\* Kidney

Liver

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration  
Inflammation

Minimal  
Chronic, Minimal

---

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 509

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 250 ppm

DISP: Terminal Sacrifice

HISTO: 62125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex  
Thymus

Adrenal Medulla

Liver

\* Mammary Gland

OBSERVATIONS

\* Harderian Gland

\* Kidney

Ovary

[ Cyst TGLs = 1-9 ]

Degeneration

Nephropathy

Cyst

Minimal

Chronic, Minimal

Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 510

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 250 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62126

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex  
Thymus

Adrenal Medulla

\* Harderian Gland

\* Mammary Gland

---

**OBSERVATIONS**

\* Kidney  
Liver

Nephropathy  
Hepatodiaphragmatic Nodule

Chronic, Minimal

[ Hepatodiaphragmatic Nodule TGLs = 1-14 ]

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 701

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62097

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
Thymus

Adrenal Medulla

\* Liver

\* Mammary Gland

---

**OBSERVATIONS**

\* Harderian Gland  
\* Kidney

Degeneration  
Nephropathy

Minimal  
Chronic, Minimal

---

Experiment Number: 10472 - 01

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 08/05/2016

Time Report Requested: 10:34:45

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

---

ANIMAL ID: 702

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 500 ppm

DISP: Terminal Sacrifice

HISTO: 62098

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex

Adrenal Medulla

\* Liver

Thymus

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Mild

\* Kidney

Nephropathy

Chronic, Minimal

\* Mammary Gland

Hyperplasia

Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 703

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62099

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
Thymus

Adrenal Medulla

\* Liver

\* Mammary Gland

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Mild

\* Kidney

Nephropathy

Chronic, Mild

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 704

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62100

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex

Adrenal Medulla

\* Liver

Thymus

---

**OBSERVATIONS**

\* Harderian Gland

Inflammation

Chronic, Minimal

\* Kidney

Nephropathy

Chronic, Minimal

\* Mammary Gland

Hyperplasia

Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 705

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62101

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex

Adrenal Medulla

\* Liver

Thymus

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Nephropathy

Chronic, Minimal

\* Mammary Gland

Hyperplasia

Minimal

---



**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 706

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62102

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
Thymus

Adrenal Medulla

\* Liver

\* Mammary Gland

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Moderate

\* Kidney

Nephropathy

Chronic, Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 707

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62103

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
Thymus

Adrenal Medulla

\* Liver

\* Mammary Gland

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Mild

\* Kidney

Nephropathy

Chronic, Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 708

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62104

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex

Adrenal Medulla

\* Liver

Thymus

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Minimal

\* Kidney

Nephropathy

Chronic, Mild

\* Mammary Gland

Hyperplasia

Mild

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 709

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62105

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
\* Mammary Gland

Adrenal Medulla  
Thymus

\* Kidney

\* Liver

---

**OBSERVATIONS**

\* Harderian Gland  
Lymph Node  
[ Hyperplasia TGLs = 1-14 ]

Lumbar

Degeneration  
Hyperplasia

Minimal  
Lymphoid, Mild

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 710

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 500 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62106

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
Thymus

Adrenal Medulla

\* Liver

\* Mammary Gland

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Minimal

\* Kidney

Nephropathy

Chronic, Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 901

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62077

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex

Adrenal Medulla

\* Mammary Gland

Thymus

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Mild

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 902

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62078

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex

Adrenal Medulla

Thymus

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Minimal

\* Kidney

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

\* Mammary Gland

Hyperplasia

Minimal

---

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 903

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62079

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Mammary Gland

Thymus

---

**OBSERVATIONS**

\* Adrenal Cortex

Vacuolization Cytoplasmic

Minimal

\* Harderian Gland

Degeneration

Mild

\* Kidney

Inflammation

Chronic, Mild

\* Liver

Centrilobular, Hepatocyte

Nephropathy

Chronic, Minimal

Hypertrophy

Mild

---



**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 904

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62080

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

Adrenal Medulla

Thymus

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Mild

Inflammation

Chronic, Minimal

\* Kidney

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

\* Mammary Gland

Hyperplasia

Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 905

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62081

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

Adrenal Medulla

Thymus

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Minimal

\* Kidney

Nephropathy

Chronic, Minimal

\* Liver

Hepatodiaphragmatic Nodule

[ Hepatodiaphragmatic Nodule

Centrilobular, Hepatocyte

Hypertrophy

Minimal

TGLs = 1-6 ]

\* Mammary Gland

Hyperplasia

Moderate

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 906

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62082

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla

Thymus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Minimal
Note: TGL 1 = NCL (No Correlating Lesion)			
* Mammary Gland		Hyperplasia	Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 907

TRT#: 10

SEX: Female

DAY ON TEST: 94

DOSE: 1000 ppm

DISP: Terminal Sacrifice

HISTO: 62083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

Adrenal Medulla

\* Mammary Gland

Thymus

OBSERVATIONS

\* Harderian Gland

Degeneration

Minimal

Inflammation

Chronic, Mild

\* Kidney

Nephropathy

Chronic, Minimal

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Mild

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 908

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62084

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla

Thymus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Hyperplasia	Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

---

**ANIMAL ID:** 909

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 1000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62085

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex

Adrenal Medulla

\* Mammary Gland

Thymus

---

**OBSERVATIONS**

\* Harderian Gland

Degeneration

Mild

\* Kidney

Nephropathy

Chronic, Mild

\* Liver

Centrilobular, Hepatocyte

Hypertrophy

Minimal

---

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 910

TRT#: 10

SEX: Female

DAY ON TEST: 94

DOSE: 1000 ppm

DISP: Terminal Sacrifice

HISTO: 62086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla

Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Mild
		Inflammation	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Minimal
* Mammary Gland		Hyperplasia	Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 1101

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 2000 ppm

DISP: Terminal Sacrifice

HISTO: 62057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Mammary Gland		Hyperplasia	Minimal



Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 1102

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 2000 ppm

DISP: Terminal Sacrifice

HISTO: 62058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Mammary Gland		Hyperplasia	Mild

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 1103

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 2000 ppm

DISP: Terminal Sacrifice

HISTO: 62059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Mammary Gland		Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 1104

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 2000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62060

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Mild
		Inflammation	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung		Infiltration Cellular	Histiocyte, Focal, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 1105

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 2000 ppm

DISP: Terminal Sacrifice

HISTO: 62061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Mammary Gland		Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 1106

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 2000 ppm

DISP: Terminal Sacrifice

HISTO: 62062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Mammary Gland		Hyperplasia	Moderate
* Pancreas		Infiltration Cellular	Polymorphnuclr, Minimal

Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 1107

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 2000 ppm

DISP: Terminal Sacrifice

HISTO: 62063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

\* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Mammary Gland		Hyperplasia	Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 1108

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 94

**DOSE:** 2000 ppm

**DISP:** Terminal Sacrifice

**HISTO:** 62064

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Harderian Gland		Degeneration	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Minimal
	[ Necrosis TGLs = 1-14 ]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal

**Experiment Number:** 10472 - 01  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/HSD

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 08/05/2016  
**Time Report Requested:** 10:34:45  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

**ANIMAL ID:** 1109

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 45

**DOSE:** 2000 ppm

**DISP:** Moribund Sacrifice

**HISTO:** 62065

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * 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      |
| * Larynx                    | * Lymph Node, Bronchial  | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Skin                   | * Spleen                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |
| * Uterus                    |                          |                            |                           |

**MISSING**

- \* Lymph Node, Mediastinal

**OBSERVATIONS**

- |                   |                              |                           |                         |
|-------------------|------------------------------|---------------------------|-------------------------|
| * Adrenal Cortex  |                              | Vacuolization Cytoplasmic | Minimal                 |
| * Harderian Gland |                              | Degeneration              | Mild                    |
| * Kidney          |                              | Nephropathy               | Chronic, Minimal        |
| * Liver           | Centrilobular, Hepatocyte    | Hypertrophy               | Mild                    |
| * Lung            |                              | Inflammation              | Chronic Active, Minimal |
| * Mammary Gland   |                              | Hyperplasia               | Mild                    |
| * Salivary Glands |                              | Atrophy                   | Marked                  |
|                   | [ Atrophy TGLs = 2-9 ]       |                           |                         |
| * Thymus          |                              | Atrophy                   | Moderate                |
| Tongue            |                              | Inflammation              | Chronic Active, Marked  |
|                   | [ Inflammation TGLs = 5-14 ] |                           |                         |



Experiment Number: 10472 - 01  
Test Type: 90-DAY  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
p-Chloro-a,a,a-trifluorotoluene  
CAS Number: 98-56-6

Date Report Requested: 08/05/2016  
Time Report Requested: 10:34:45  
First Dose M/F: 10/26/09 / 10/26/09  
Lab: BNW

ANIMAL ID: 1110

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 2000 ppm

DISP: Terminal Sacrifice

HISTO: 62066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Degeneration	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung		Metaplasia	Osseous, Minimal
* Mammary Gland		Hyperplasia	Moderate
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
		Erosion	Mild

\*\*\* END OF REPORT \*\*\*