

**Experiment Number:** 96011-04  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene  
**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 02:31:03  
**First Dose M/F:** NA / NA  
**Lab:** BNW

<b>C Number:</b>	C96011
<b>Lock Date:</b>	02/05/2001
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 95

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 45486

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Eye	Infiltration Cellular	Polymorphnuclr, Minimal
* Liver	Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 95

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 45487

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Eye		Infiltration Cellular	Polymorphnuclr, Minimal
* Kidney	Renal Tubule	Regeneration	Minimal
* Liver		Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 95 <b>HISTO:</b> 45488
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * 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 |
| * 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, Mediastinal | * Mammary Gland |
|---------------------------|-----------------|

OBSERVATIONS

- |          |              |              |         |
|----------|--------------|--------------|---------|
| * Kidney | Renal Tubule | Regeneration | Minimal |
|----------|--------------|--------------|---------|

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 95 <b>HISTO:</b> 45489
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- |          |            |                   |
|----------|------------|-------------------|
| * Larynx | Metaplasia | Squamous, Minimal |
|----------|------------|-------------------|

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 95 <b>HISTO:</b> 45490
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

- \* Lymph Node, Bronchial

OBSERVATIONS

- |          |              |              |                         |
|----------|--------------|--------------|-------------------------|
| * Kidney | Renal Tubule | Regeneration | Minimal                 |
| * Liver  |              | Inflammation | Chronic, Focal, Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 6

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 45491

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Lymph Node, Mediastinal	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 95 <b>HISTO:</b> 45492
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                           |                            |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                    | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus               | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum  | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum  | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Larynx                  | * Liver                    |
| * Lung                    | * Lymph Node, Bronchial     | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric   |
| * 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 | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |       |                       |                         |
|-------|-----------------------|-------------------------|
| * Eye | Infiltration Cellular | Polymorphnuclr, Minimal |
|-------|-----------------------|-------------------------|

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 95 <b>HISTO:</b> 45493
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Larynx                 | * Lung                     |
| * Lymph Node, Bronchial   | * Lymph Node, Mediastinal   | * Lymph Node, Mesenteric | * 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 | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |         |                       |                         |
|---------|-----------------------|-------------------------|
| * Eye   | Infiltration Cellular | Polymorphnuclr, Minimal |
| * Liver | Inflammation          | Chronic, Focal, Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 95

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 45494

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Eye	Infiltration Cellular	Polymorphnuclr, Minimal
* Lung		

Note: TGL 1 was not apparent microscopically.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 95

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 45495

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Harderian Gland  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lung  
\* Nose  
\* Preputial Gland  
\* Skin  
\* Testes  
\* Urinary Bladder

\* Adrenal Medulla  
\* Epididymis  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Bronchial  
\* Pancreas  
\* Prostate  
\* Spleen  
\* Thymus

\* Bone  
\* Esophagus  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Larynx  
\* Lymph Node, Mediastinal  
\* Parathyroid Gland  
\* Salivary Glands  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Bone Marrow  
\* Gallbladder  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Liver  
\* Lymph Node, Mesenteric  
\* Pituitary Gland  
\* Seminal Vesicle  
\* Stomach, Glandular  
\* Trachea

**MISSING**

\* Lymph Node, Mandibular

\* Mammary Gland

**OBSERVATIONS**

\* Eye Infiltration Cellular

Polymorphnuclr, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

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**ANIMAL ID:** 201

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45586

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Liver

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

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**ANIMAL ID:** 202

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45587

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**OBSERVATIONS**

Liver

Necrosis

Minimal

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 203

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45588

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

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**ANIMAL ID:** 204

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45589

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 205

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45590

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 206

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45591

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 207

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45592

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 208

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45593

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 209

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45594

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

---

**OBSERVATIONS**

Kidney

Note: TGL 1 was not apparent microscopically.

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 210

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45595

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 401

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45566

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 402

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45567

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 403

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45568

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 404

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45569

---

**OBSERVATIONS**

Liver

Basophilic Focus

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 405

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45570

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 406

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45571

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 407

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45572

---

**OBSERVATIONS**

Liver

Necrosis

Mild

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 408

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45573

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Lung

Hemorrhage

Mild

[ Hemorrhage TGLS = 1-4 ]

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 409

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45574

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 410

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45575

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 601

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45546

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 602

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45547

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 603

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45548

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 604

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45549

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 605

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45550

---

**OBSERVATIONS**

Liver

Necrosis

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 606

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45551

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 607

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45552

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 608

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45553

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 609

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45554

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96011-04  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene  
**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 02:31:03  
**First Dose M/F:** NA / NA  
**Lab:** BNW

---

**ANIMAL ID:** 610

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45555

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 801

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45526

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

---

**OBSERVATIONS**

\* Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 802

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45527

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 803

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45528

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 804

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45529

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

---

**OBSERVATIONS**

\* Liver

Inflammation

Chronic, Focal, Minimal

Necrosis

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 805

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45530

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 806

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45531

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 807

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45532

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

---

**OBSERVATIONS**

\* Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 808

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45533

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

---

**OBSERVATIONS**

\* Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 809

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45534

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

---

**OBSERVATIONS**

\* Liver

Mesentery

[ Necrosis TGLS = 1-12 ]

Fat

Inflammation

Necrosis

Chronic, Focal, Minimal

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 810

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45535

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Larynx

\* Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1001

TRT#: 11

SEX: Male

DAY ON TEST: 95

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 45506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

\* Adrenal Medulla

\* Bone

\* Bone Marrow

\* Brain

\* Epididymis

\* Esophagus

\* Gallbladder

\* 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

\* Nose

\* Pancreas

\* Parathyroid Gland

\* Preputial Gland

\* Prostate

\* Salivary Glands

\* Seminal Vesicle

\* Skin

\* Spleen

\* Stomach, Forestomach

\* Stomach, Glandular

\* Testes

\* Thymus

\* Thyroid Gland

\* Trachea

\* Urinary Bladder

MISSING

\* Mammary Gland

\* Pituitary Gland

OBSERVATIONS

\* Eye

Infiltration Cellular

Polymorphnuclr, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1002

TRT#: 11

SEX: Male

DAY ON TEST: 95

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 45507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lung
- \* Nose
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus

- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland

- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Liver
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Lymph Node, Mediastinal

- \* Mammary Gland

OBSERVATIONS

- \* Eye
- \* Spleen

Infiltration Cellular

Polymorphnuclr, Minimal

Note: TGL 1 was not apparent microscopically.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 1004

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 1000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45509

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Harderian Gland  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lung  
\* Lymph Node, Mesenteric  
\* Preputial Gland  
\* Skin  
\* Testes  
\* Urinary Bladder

\* Adrenal Medulla  
\* Epididymis  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Bronchial  
\* Nose  
\* Prostate  
\* Spleen  
\* Thymus

\* Bone  
\* Esophagus  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Larynx  
\* Lymph Node, Mandibular  
\* Pancreas  
\* Salivary Glands  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Bone Marrow  
\* Gallbladder  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Liver  
\* Lymph Node, Mediastinal  
\* Pituitary Gland  
\* Seminal Vesicle  
\* Stomach, Glandular  
\* Trachea

**MISSING**

\* Mammary Gland

\* Parathyroid Gland

**OBSERVATIONS**

\* Eye Infiltration Cellular

Polymorphnuclr, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1005

TRT#: 11

SEX: Male

DAY ON TEST: 95

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 45510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Eye	Infiltration Cellular	Polymorphnuclr, Minimal
* Liver	Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1006

TRT#: 11

SEX: Male

DAY ON TEST: 95

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 45511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland

- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea

- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Preputial Gland
- \* Skin
- \* Testes
- \* Urinary Bladder

- \* Bone Marrow
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus

MISSING

- \* Gallbladder
- \* Lymph Node, Mediastinal

- \* Mammary Gland

OBSERVATIONS

- |         |                       |                         |
|---------|-----------------------|-------------------------|
| * Eye   | Infiltration Cellular | Polymorphnuclr, Minimal |
| * Liver | Inflammation          | Chronic, Focal, Minimal |
|         | Necrosis              | Minimal                 |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 1007

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 95

**DOSE:** 1000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45512

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Eye	Infiltration Cellular	Polymorphnuclr, Mild
* Liver	Necrosis	Minimal
* Salivary Glands	Inflammation	Chronic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1008

TRT#: 11

SEX: Male

DAY ON TEST: 95

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 45513

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Eye	Infiltration Cellular	Polymorphnuclr, Minimal
* Liver	Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1009

TRT#: 11

SEX: Male

DAY ON TEST: 95

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 45514

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Eye	Infiltration Cellular	Polymorphnuclr, Minimal
* Liver	Necrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1010

TRT#: 11

SEX: Male

DAY ON TEST: 95

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 45515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Eye	Infiltration Cellular	Polymorphnuclr, Mild
* Larynx	Metaplasia	Squamous, Minimal
* Liver	Inflammation	Chronic, Focal, Minimal
	Necrosis	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 101

**TRT#:** 2

**DOSE:** CONTROL

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 96

**HISTO:** 45496

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Brain

\* Gallbladder

\* Intestine Large, Colon

\* Intestine Small, Jejunum

\* Lung

\* Lymph Node, Mesenteric

\* Pancreas

\* Skin

\* Thymus

\* Uterus

\* Adrenal Medulla

\* Clitoral Gland

\* Harderian Gland

\* Intestine Large, Rectum

\* Islets, Pancreatic

\* Lymph Node, Bronchial

\* Mammary Gland

\* Parathyroid Gland

\* Spleen

\* Thyroid Gland

\* Bone

\* Esophagus

\* Heart

\* Intestine Small, Duodenum

\* Kidney

\* Lymph Node, Mandibular

\* Nose

\* Pituitary Gland

\* Stomach, Forestomach

\* Trachea

\* Bone Marrow

\* Eye

\* Intestine Large, Cecum

\* Intestine Small, Ileum

\* Liver

\* Lymph Node, Mediastinal

\* Ovary

\* Salivary Glands

\* Stomach, Glandular

\* Urinary Bladder

**OBSERVATIONS**

\* Larynx

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 102

TRT#: 2

SEX: Female

DAY ON TEST: 96

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 45497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Nose
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Thymus

- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Spleen
- \* Thyroid Gland

MISSING

\* Lymph Node, Mediastinal

\* Parathyroid Gland

OBSERVATIONS

\* Liver

Necrosis

Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 103

TRT#: 2

SEX: Female

DAY ON TEST: 96

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 45498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

\* Brain

\* Gallbladder

\* Intestine Large, Colon

\* Intestine Small, Jejunum

\* Lung

\* Nose

\* Salivary Glands

\* Stomach, Glandular

\* Uterus

\* Adrenal Medulla

\* Clitoral Gland

\* Harderian Gland

\* Intestine Large, Rectum

\* Islets, Pancreatic

\* Lymph Node, Mandibular

\* Ovary

\* Skin

\* Thymus

\* Bone

\* Esophagus

\* Heart

\* Intestine Small, Duodenum

\* Larynx

\* Lymph Node, Mesenteric

\* Pancreas

\* Spleen

\* Thyroid Gland

\* Bone Marrow

\* Eye

\* Intestine Large, Cecum

\* Intestine Small, Ileum

\* Liver

\* Mammary Gland

\* Pituitary Gland

\* Stomach, Forestomach

\* Urinary Bladder

MISSING

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Parathyroid Gland

\* Trachea

OBSERVATIONS

\* Kidney

Renal Tubule

Regeneration

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 104

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 96

HISTO: 45499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Nose
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Thymus
- \* Uterus

- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mediastinal

- \* Parathyroid Gland

OBSERVATIONS

- \* Liver

Necrosis

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 106

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 45501

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Liver	Necrosis	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 107

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 45502

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* 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**

* Eye	Infiltration Cellular	Polymorphnuclr, Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 108

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 45503

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Gallbladder  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Liver  
\* Mammary Gland  
\* Pituitary Gland  
\* Stomach, Forestomach  
\* Trachea

\* Adrenal Medulla  
\* Clitoral Gland  
\* Harderian Gland  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lung  
\* Nose  
\* Salivary Glands  
\* Stomach, Glandular  
\* Urinary Bladder

\* Bone  
\* Esophagus  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Mandibular  
\* Ovary  
\* Skin  
\* Thymus  
\* Uterus

\* Bone Marrow  
\* Eye  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Larynx  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Spleen  
\* Thyroid Gland

**MISSING**

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

\* Parathyroid Gland

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 110

TRT#: 2

SEX: Female

DAY ON TEST: 96

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 45505

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Brain

\* Gallbladder

\* Intestine Large, Colon

\* Intestine Small, Jejunum

\* Lung

\* Lymph Node, Mesenteric

\* Pancreas

\* Skin

\* Thymus

\* Uterus

\* Adrenal Medulla

\* Clitoral Gland

\* Harderian Gland

\* Intestine Large, Rectum

\* Islets, Pancreatic

\* Lymph Node, Bronchial

\* Mammary Gland

\* Parathyroid Gland

\* Spleen

\* Thyroid Gland

\* Bone

\* Esophagus

\* Heart

\* Intestine Small, Duodenum

\* Kidney

\* Lymph Node, Mandibular

\* Nose

\* Pituitary Gland

\* Stomach, Forestomach

\* Trachea

\* Bone Marrow

\* Eye

\* Intestine Large, Cecum

\* Intestine Small, Ileum

\* Larynx

\* Lymph Node, Mediastinal

\* Ovary

\* Salivary Glands

\* Stomach, Glandular

\* Urinary Bladder

**OBSERVATIONS**

\* Liver

Necrosis

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 301

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45596

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 302

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45597

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

Spleen

Hyperplasia

Lymphoid, Mild

[ Hyperplasia TGLS = 1-12 ]

Stomach, Forestomach

Hyperplasia

Squamous, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 303

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45598

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 304

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45599

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 305

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45600

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 306

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45601

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 307

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45602

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 308

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45603

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 309

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45604

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 310

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 62.5 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45605

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 501

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45576

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 502

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45577

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

\* Kidney

Renal Tubule

Regeneration

Minimal

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 503

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45578

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 504

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45579

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 505

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45580

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 506

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45581

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

\* Kidney

Renal Tubule

Regeneration

Minimal

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 507

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45582

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 508

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45583

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 509

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45584

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 510

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 125 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45585

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 701

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45556

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 702

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45557

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 703

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45558

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

\* Stomach, Forestomach

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 704

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45559

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 705

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45560

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 706

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45561

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

\* Stomach, Forestomach

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 707

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45562

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 708

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45563

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

Liver

\* Stomach, Forestomach

Thymus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 709

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45564

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Kidney

\* Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

---

**ANIMAL ID:** 710

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45565

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Stomach, Forestomach

Thymus

---

**OBSERVATIONS**

\* Kidney

Renal Tubule

Regeneration

Minimal

Liver

Inflammation

Chronic, Focal, Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 901

TRT#: 10

SEX: Female

DAY ON TEST: 96

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 45536

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

* Clitoral Gland	* Lymph Node, Mediastinal
------------------	---------------------------

**OBSERVATIONS**

* Kidney	Renal Tubule	Regeneration	Minimal
* Liver		Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 902

TRT#: 10

SEX: Female

DAY ON TEST: 96

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 45537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- \* Lymph Node, Mediastinal

OBSERVATIONS

- |                        |                       |                         |
|------------------------|-----------------------|-------------------------|
| * Eye                  | Infiltration Cellular | Polymorphnuclr, Minimal |
| * Liver                | Necrosis              | Minimal                 |
| * Stomach, Forestomach | Hyperplasia           | Squamous, Mild          |
|                        | Inflammation          | Chronic Active, Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 903

TRT#: 10

SEX: Female

DAY ON TEST: 96

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 45538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

- |          |              |                       |                         |
|----------|--------------|-----------------------|-------------------------|
| * Eye    |              | Infiltration Cellular | Polymorphnuclr, Minimal |
| * Kidney | Renal Tubule | Regeneration          | Minimal                 |
| * Liver  |              | Inflammation          | Chronic, Focal, Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 904

TRT#: 10

SEX: Female

DAY ON TEST: 96

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 45539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Eye		Infiltration Cellular	Polymorphnuclr, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
* Skin	Hair Follicle	Infiltration Cellular	Mixed Cell, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 905

TRT#: 10

SEX: Female

DAY ON TEST: 96

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 45540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Thymus
- \* Uterus

- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland

- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Bronchial

- \* Lymph Node, Mediastinal

OBSERVATIONS

- \* Eye
- \* Liver

Infiltration Cellular  
Necrosis

Polymorphnuclr, Minimal  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 906

TRT#: 10

SEX: Female

DAY ON TEST: 96

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 45541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Thymus
- \* Uterus

- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland

- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Bronchial

- \* Lymph Node, Mediastinal

OBSERVATIONS

- \* Eye
- \* Liver

Infiltration Cellular  
Inflammation

Polymorphnuclr, Minimal  
Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 907

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45542

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Eye	Infiltration Cellular	Polymorphnuclr, Minimal
* Liver	Inflammation	Chronic, Focal, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 908

TRT#: 10

SEX: Female

DAY ON TEST: 96

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 45543

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Bone

\* Bone Marrow

\* Brain

\* Clitoral Gland

\* Esophagus

\* Eye

\* Gallbladder

\* 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

\* Nose

\* Ovary

\* Pancreas

\* Parathyroid Gland

\* Pituitary Gland

\* Salivary Glands

\* Skin

\* Spleen

\* Stomach, Forestomach

\* Stomach, Glandular

\* Thymus

\* Thyroid Gland

\* Trachea

\* Urinary Bladder

\* Uterus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 909

TRT#: 10

SEX: Female

DAY ON TEST: 96

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 45544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spleen
- \* Trachea

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mandibular
- \* Nose
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Ovary
- \* Salivary Glands
- \* Thymus
- \* Uterus

- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Thyroid Gland

OBSERVATIONS

- \* Eye
- \* Liver
- \* Stomach, Forestomach

- Infiltration Cellular
- Inflammation
- Hyperplasia
- Inflammation

- Polymorphnuclr, Minimal
- Chronic, Focal, Minimal
- Squamous, Mild
- Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1101

TRT#: 12

SEX: Female

DAY ON TEST: 3

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 45516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

\* Brain

\* Intestine Large, Colon

\* Larynx

\* Lymph Node, Mandibular

\* Nose

\* Salivary Glands

\* Trachea

\* Adrenal Medulla

\* Esophagus

\* Intestine Large, Rectum

\* Liver

\* Lymph Node, Mediastinal

\* Ovary

\* Skin

\* Uterus

\* Bone

\* Harderian Gland

\* Islets, Pancreatic

\* Lung

\* Lymph Node, Mesenteric

\* Pancreas

\* Stomach, Forestomach

\* Bone Marrow

\* Heart

\* Kidney

\* Lymph Node, Bronchial

\* Mammary Gland

\* Pituitary Gland

\* Thyroid Gland

MISSING

\* Clitoral Gland

\* Parathyroid Gland

AUTO PRECLUDES DIAG.

\* Eye

\* Intestine Small, Ileum

\* Urinary Bladder

\* Gallbladder

\* Intestine Small, Jejunum

\* Intestine Large, Cecum

\* Spleen

\* Intestine Small, Duodenum

\* Stomach, Glandular

OBSERVATIONS

\* Thymus

Necrosis

Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1102

TRT#: 12

SEX: Female

DAY ON TEST: 96

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 45517

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Eye		Infiltration Cellular	Polymorphnuclr, Minimal
* Kidney	Renal Tubule	Regeneration	Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1103

TRT#: 12

SEX: Female

DAY ON TEST: 3

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 45518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Heart
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Ovary
- \* Salivary Glands
- \* Thyroid Gland

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Colon
- \* Liver
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Trachea

- \* Bone
- \* Eye
- \* Islets, Pancreatic
- \* Lung
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spleen

- \* Bone Marrow
- \* Harderian Gland
- \* Kidney
- \* Lymph Node, Bronchial
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach

MISSING

- \* Clitoral Gland
- \* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Ileum
- \* Uterus

- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum

- \* Intestine Large, Rectum
- \* Stomach, Glandular

- \* Intestine Small, Duodenum
- \* Urinary Bladder

OBSERVATIONS

- \* Kidney  
Note: TGL 1 was not apparent microscopically.
- \* Thymus

Necrosis

Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1104

TRT#: 12

SEX: Female

DAY ON TEST: 5

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 45519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex  
\* Brain  
\* Heart  
\* Larynx  
\* Lymph Node, Mandibular  
\* Nose  
\* Salivary Glands  
\* Trachea

\* Adrenal Medulla  
\* Clitoral Gland  
\* Intestine Large, Colon  
\* Liver  
\* Lymph Node, Mediastinal  
\* Ovary  
\* Skin  
\* Urinary Bladder

\* Bone  
\* Esophagus  
\* Intestine Small, Jejunum  
\* Lung  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Spleen

\* Bone Marrow  
\* Harderian Gland  
\* Islets, Pancreatic  
\* Lymph Node, Bronchial  
\* Mammary Gland  
\* Pituitary Gland  
\* Thyroid Gland

MISSING

\* Parathyroid Gland

AUTO PRECLUDES DIAG.

\* Eye  
\* Intestine Small, Duodenum

\* Gallbladder  
\* Intestine Small, Ileum

\* Intestine Large, Cecum  
\* Stomach, Glandular

\* Intestine Large, Rectum  
\* Uterus

OBSERVATIONS

\* Kidney  
\* Stomach, Forestomach  
\* Thymus

Renal Tubule

Necrosis  
Inflammation  
Necrosis

Mild  
Acute, Minimal  
Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:03

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1105

TRT#: 12

SEX: Female

DAY ON TEST: 4

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 45520

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Gallbladder  
\* Intestine Large, Colon  
\* Larynx  
\* Nose  
\* Salivary Glands  
\* Thyroid Gland

\* Adrenal Medulla  
\* Clitoral Gland  
\* Harderian Gland  
\* Intestine Large, Rectum  
\* Liver  
\* Ovary  
\* Skin  
\* Trachea

\* Bone  
\* Esophagus  
\* Heart  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Stomach, Forestomach  
\* Urinary Bladder

\* Bone Marrow  
\* Eye  
\* Intestine Large, Cecum  
\* Kidney  
\* Mammary Gland  
\* Pituitary Gland  
\* Stomach, Glandular  
\* Uterus

**MISSING**

\* Lymph Node, Bronchial

\* Lymph Node, Mandibular

\* Lymph Node, Mediastinal

\* Parathyroid Gland

**AUTO PRECLUDES DIAG.**

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Spleen

**OBSERVATIONS**

\* Lung  
\* Thymus

Inflammation  
Necrosis

Acute, Moderate  
Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 96011-04

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 02:31:03

**First Dose M/F:** NA / NA

**Lab:** BNW

**ANIMAL ID:** 1106

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 96

**DOSE:** 1000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 45521

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- \* Adrenal Cortex
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Thymus
- \* Uterus

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Bronchial
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland

- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mandibular
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Larynx
- \* Lymph Node, Mediastinal
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

**OBSERVATIONS**

- \* Eye

Note: TGL 1 was not apparent microscopically.

- \* Liver

Inflammation

Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:04

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1107

TRT#: 12

SEX: Female

DAY ON TEST: 3

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 45522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- \* Lymph Node, Mediastinal

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- |          |              |                      |
|----------|--------------|----------------------|
| * Larynx | Inflammation | Suppurative, Minimal |
|          | Metaplasia   | Squamous, Minimal    |
| * Nose   | Inflammation | Suppurative, Minimal |
| * Thymus | Necrosis     | Marked               |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:04

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1108

TRT#: 12

SEX: Female

DAY ON TEST: 3

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 45523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex  
\* Brain  
\* Intestine Large, Cecum  
\* Islets, Pancreatic  
\* Lymph Node, Bronchial  
\* Mammary Gland  
\* Pituitary Gland  
\* Stomach, Forestomach

\* Adrenal Medulla  
\* Esophagus  
\* Intestine Large, Colon  
\* Kidney  
\* Lymph Node, Mandibular  
\* Nose  
\* Salivary Glands  
\* Thyroid Gland

\* Bone  
\* Harderian Gland  
\* Intestine Large, Rectum  
\* Liver  
\* Lymph Node, Mediastinal  
\* Ovary  
\* Skin  
\* Uterus

\* Bone Marrow  
\* Heart  
\* Intestine Small, Jejunum  
\* Lung  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Spleen

MISSING

\* Clitoral Gland

\* Parathyroid Gland

AUTO PRECLUDES DIAG.

\* Eye  
\* Stomach, Glandular

\* Gallbladder  
\* Trachea

\* Intestine Small, Duodenum  
\* Urinary Bladder

\* Intestine Small, Ileum

OBSERVATIONS

\* Larynx  
\* Thymus

Metaplasia  
Necrosis

Squamous, Minimal  
Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:04

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1109

TRT#: 12

SEX: Female

DAY ON TEST: 3

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 45524

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Heart  
\* Larynx  
\* Nose  
\* Pituitary Gland  
\* Stomach, Forestomach

\* Adrenal Medulla  
\* Clitoral Gland  
\* Intestine Large, Colon  
\* Liver  
\* Ovary  
\* Salivary Glands  
\* Thyroid Gland

\* Bone  
\* Esophagus  
\* Islets, Pancreatic  
\* Lung  
\* Pancreas  
\* Skin  
\* Uterus

\* Bone Marrow  
\* Harderian Gland  
\* Kidney  
\* Mammary Gland  
\* Parathyroid Gland  
\* Spleen

**MISSING**

\* Lymph Node, Bronchial

\* Lymph Node, Mandibular

\* Lymph Node, Mediastinal

**AUTO PRECLUDES DIAG.**

\* Eye  
\* Intestine Small, Duodenum  
\* Stomach, Glandular

\* Gallbladder  
\* Intestine Small, Ileum  
\* Trachea

\* Intestine Large, Cecum  
\* Intestine Small, Jejunum  
\* Urinary Bladder

\* Intestine Large, Rectum  
\* Lymph Node, Mesenteric

**OBSERVATIONS**

\* Thymus

Necrosis

Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:04

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1110

TRT#: 12

SEX: Female

DAY ON TEST: 4

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 45525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex

\* Brain

\* Gallbladder

\* Intestine Large, Rectum

\* Larynx

\* Lymph Node, Mesenteric

\* Parathyroid Gland

\* Spleen

\* Trachea

\* Adrenal Medulla

\* Clitoral Gland

\* Harderian Gland

\* Intestine Small, Ileum

\* Liver

\* Mammary Gland

\* Pituitary Gland

\* Stomach, Forestomach

\* Urinary Bladder

\* Bone

\* Esophagus

\* Heart

\* Islets, Pancreatic

\* Lung

\* Ovary

\* Salivary Glands

\* Stomach, Glandular

\* Uterus

\* Bone Marrow

\* Eye

\* Intestine Large, Colon

\* Kidney

\* Lymph Node, Mandibular

\* Pancreas

\* Skin

\* Thyroid Gland

MISSING

\* Lymph Node, Bronchial

\* Lymph Node, Mediastinal

AUTO PRECLUDES DIAG.

\* Intestine Large, Cecum

\* Intestine Small, Duodenum

\* Intestine Small, Jejunum

OBSERVATIONS

\* Nose

Inflammation

Suppurative, Minimal

\* Thymus

Necrosis

Marked

PRIMARY CAUSE OF DEATH

-

\*\* END OF REPORT \*\*

\* PROTOCOL REQUIRED TISSUE