

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

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 02:31:53  
**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

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Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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First Dose M/F: NA / NA

Lab: BNW

<b>B6C3F1 Mouse Male CONTROL</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		5	5	5	5	5	5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	1		
	1	2	3	4	5	6	7	8	9	0		

**Alimentary System**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

**Cardiovascular System**

Heart	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

**Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	9

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Date Report Requested: 10/20/2014

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Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 98-82-8

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: BNW

B6C3F1 Mouse Male CONTROL	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	
Pituitary Gland	+	+	+	+	+	M	+	+	+	+	9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
<b>General Body System</b>											
NONE											
<b>Genital System</b>											
Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
<b>Hematopoietic System</b>											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Bronchial	+	M	+	+	I	+	+	+	M	+	7
Lymph Node, Mandibular	M	M	+	M	+	+	M	M	M	M	3
Lymph Node, Mediastinal	M	M	M	+	+	M	+	+	M	+	5
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
<b>Integumentary System</b>											
Mammary Gland	M	M	M	M	M	M	M	M	M	M	0
Skin	+	+	+	+	+	+	+	+	+	+	10

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First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse Male CONTROL	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	
Skin	+	+	+	+	+	+	+	+	+	+	
<b>Musculoskeletal System</b>											
Bone	+	+	+	+	+	+	+	+	+	+	
<b>Nervous System</b>											
Brain	+	+	+	+	+	+	+	+	+	+	
<b>Respiratory System</b>											
Larynx	+	+	+	+	+	+	+	+	+	+	
Lung	+	+	+	+	+	+	+	+	+	+	
Nose	+	+	+	+	+	+	+	+	+	+	
Trachea	+	+	+	+	+	+	+	+	+	+	
<b>Special Senses System</b>											
Eye	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	
<b>Urinary System</b>											
Kidney	+	+	+	+	+	+	+	+	+	+	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	
<b>SYSTEMIC LESIONS</b>											
Multiple Organ	+	+	+	+	+	+	+	+	+	+	

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
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First Dose M/F: NA / NA

Lab: BNW

<b>B6C3F1 Mouse Male</b> <b>62.5 PPM</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		5	5	5	5	5	5	5	5	5	5
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0
		*TOTALS									

**Alimentary System**

Liver + + + + + + + + + + 10

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with tumor

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X ..Lesion present

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First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse Male  
62.5 PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney

+ 1

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + + 10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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First Dose M/F: NA / NA

Lab: BNW

|  |             |   |   |   |   |   |   |   |   |   |   |         |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---------|
| <b>B6C3F1 Mouse Male</b><br><b>125 PPM</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |
|  |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |         |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |         |
|  | 4           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |         |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |   |         |
|  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |         |

**Alimentary System**

Liver + + + + + + + + + + 10

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse Male  
125 PPM

| DAY ON TEST | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---------|---|---|---|---|---|---|---|---|---|
|             | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 9       | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|             | 5       | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID   | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 4       | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
|             | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|             | 1       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
|             | *TOTALS |   |   |   |   |   |   |   |   |   |

Respiratory System

Lung + 1

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + + + 10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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First Dose M/F: NA / NA

Lab: BNW

|  |             |   |   |   |   |   |   |   |   |   |   |         |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---------|
| <b>B6C3F1 Mouse Male</b><br><b>250 PPM</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |
|  |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |         |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |         |
|  | 6           | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |         |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |   |         |
|  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |         |

**Alimentary System**

Liver + + + + + + + + + + 10

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

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First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse Male  
250 PPM

| DAY ON TEST | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---------|---|---|---|---|---|---|---|---|---|
|             | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 9       | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|             | 5       | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID   | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 6       | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
|             | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|             | 1       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
|             | *TOTALS |   |   |   |   |   |   |   |   |   |

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

|                |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | 10 |
|----------------|---|---|---|---|---|---|---|---|---|---|----|

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+ ..Tissue examined microscopically

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First Dose M/F: NA / NA

Lab: BNW

|  |             |   |   |   |   |   |   |   |   |   |   |         |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---------|
| <b>B6C3F1 Mouse Male</b><br><b>500 PPM</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |
|  |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |         |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |         |
|  | 8           | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |   |         |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |   |         |
|  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |         |

**Alimentary System**

|           |   |   |   |   |   |   |   |   |   |   |    |
|-----------|---|---|---|---|---|---|---|---|---|---|----|
| Liver     | + | + | + | + | + | + | + | + | + | + | 10 |
| Mesentery |   |   |   |   |   |   |   |   | + |   | 1  |

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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First Dose M/F: NA / NA

Lab: BNW

|  |             |   |   |   |   |   |   |   |   |   |   |         |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---------|
| <b>B6C3F1 Mouse Male</b><br><b>500 PPM</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |
|  |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |         |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |         |
|  | 8           | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |   |         |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |   |         |
|  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |         |

|                              |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| NONE                         |   |   |   |   |   |   |   |   |   |   |   |    |
| <b>Respiratory System</b>    |   |   |   |   |   |   |   |   |   |   |   |    |
| Larynx                       | + | + | + | + | + | + | + | + | + | + | + | 10 |
| <b>Special Senses System</b> |   |   |   |   |   |   |   |   |   |   |   |    |
| NONE                         |   |   |   |   |   |   |   |   |   |   |   |    |
| <b>Urinary System</b>        |   |   |   |   |   |   |   |   |   |   |   |    |
| NONE                         |   |   |   |   |   |   |   |   |   |   |   |    |
| <b>SYSTEMIC LESIONS</b>      |   |   |   |   |   |   |   |   |   |   |   |    |
| Multiple Organ               | + | + | + | + | + | + | + | + | + | + | + | 10 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
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BLANK ..Not examined microscopically

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First Dose M/F: NA / NA

Lab: BNW

|   |             |   |   |   |   |   |   |   |   |   |                |  |
|---|-------------|---|---|---|---|---|---|---|---|---|----------------|--|
| <b>B6C3F1 Mouse Male</b><br><b>1000 PPM</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0              |  |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0              |  |
|   |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9              |  |
|   |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5              |  |
|   | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0              |  |
|   | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | <b>*TOTALS</b> |  |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                |  |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |                |  |
|   | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |                |  |
|   |             |   |   |   |   |   |   |   |   |   |                |  |

**Alimentary System**

|                           |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | + | + | I | + | + | M | + | + | + | + | 8  |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular        | + | + | I | + | + | + | + | + | + | + | 9  |

**Cardiovascular System**

|       |   |   |   |   |   |   |   |   |   |   |    |
|-------|---|---|---|---|---|---|---|---|---|---|----|
| Heart | + | + | + | + | + | + | + | + | + | + | 10 |
|-------|---|---|---|---|---|---|---|---|---|---|----|

**Endocrine System**

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland  | + | + | M | M | + | + | + | + | + | + | 8  |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:53

First Dose M/F: NA / NA

Lab: BNW

| B6C3F1 Mouse Male<br>1000 PPM | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                     | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                               | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |         |
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |         |
|                               | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |
| Pituitary Gland               | M           | + | + | + | + | + | + | + | M | + | 8       |
| Thyroid Gland                 | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>General Body System</b>    |             |   |   |   |   |   |   |   |   |   |         |
| NONE                          |             |   |   |   |   |   |   |   |   |   |         |
| <b>Genital System</b>         |             |   |   |   |   |   |   |   |   |   |         |
| Epididymis                    | +           | + | + | + | + | + | + | + | + | + | 10      |
| Preputial Gland               | +           | + | + | + | + | + | + | + | + | + | 10      |
| Prostate                      | +           | + | + | + | + | + | + | + | + | + | 10      |
| Seminal Vesicle               | +           | + | + | + | + | + | + | + | + | + | 10      |
| Testes                        | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Hematopoietic System</b>   |             |   |   |   |   |   |   |   |   |   |         |
| Bone Marrow                   | +           | + | + | + | + | + | + | + | + | + | 10      |
| Lymph Node, Bronchial         | +           | + | + | + | + | + | + | M | + | + | 9       |
| Lymph Node, Mandibular        | +           | + | + | + | + | + | M | + | M | M | 7       |
| Lymph Node, Mediastinal       | +           | M | M | + | M | M | M | M | M | M | 2       |
| Lymph Node, Mesenteric        | +           | + | + | + | + | + | + | + | + | + | 10      |
| Spleen                        | +           | + | + | + | + | + | + | + | + | + | 10      |
| Thymus                        | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Integumentary System</b>   |             |   |   |   |   |   |   |   |   |   |         |
| Mammary Gland                 | M           | M | M | M | M | M | M | M | M | M | 0       |
| Skin                          | +           | + | + | + | + | + | + | + | + | + | 10      |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:53

First Dose M/F: NA / NA

Lab: BNW

| B6C3F1 Mouse Male<br>1000 PPM | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                     | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                               | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |         |
| Skin                          | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| <b>Musculoskeletal System</b> |             |   |   |   |   |   |   |   |   |   |         |
| Bone                          | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10      |
| <b>Nervous System</b>         |             |   |   |   |   |   |   |   |   |   |         |
| Brain                         | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 10      |
| <b>Respiratory System</b>     |             |   |   |   |   |   |   |   |   |   |         |
| Larynx                        | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| Lung                          | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10      |
| Nose                          | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| Trachea                       | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| <b>Special Senses System</b>  |             |   |   |   |   |   |   |   |   |   |         |
| Eye                           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| Harderian Gland               | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10      |
| <b>Urinary System</b>         |             |   |   |   |   |   |   |   |   |   |         |
| Kidney                        | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| Urinary Bladder               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| <b>SYSTEMIC LESIONS</b>       |             |   |   |   |   |   |   |   |   |   |         |
| Multiple Organ                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |

\*\*\*END OF MALE DATA\*\*\*

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

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

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:53

First Dose M/F: NA / NA

Lab: BNW

| B6C3F1 Mouse Female<br>CONTROL | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |
|                                | 6           | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |         |
| ANIMAL ID                      | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |         |
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |         |
|                                | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |

Alimentary System

|                           |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | 10 |

Cardiovascular System

|       |   |   |   |   |   |   |   |   |   |   |    |
|-------|---|---|---|---|---|---|---|---|---|---|----|
| Heart | + | + | + | + | + | + | + | + | + | + | 10 |
|-------|---|---|---|---|---|---|---|---|---|---|----|

Endocrine System

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland  | + | M | M | M | M | M | M | M | M | + | 2  |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically



Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:53

First Dose M/F: NA / NA

Lab: BNW

| B6C3F1 Mouse Female<br>CONTROL | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                      | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |         |
| Pituitary Gland                | +           | + | + | + | + | + | + | + | + | + | 10      |
| Thyroid Gland                  | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>General Body System</b>     |             |   |   |   |   |   |   |   |   |   |         |
| NONE                           |             |   |   |   |   |   |   |   |   |   |         |
| <b>Genital System</b>          |             |   |   |   |   |   |   |   |   |   |         |
| Clitoral Gland                 | +           | + | + | + | + | + | + | + | + | + | 10      |
| Ovary                          | +           | + | + | + | + | + | + | + | + | + | 10      |
| Uterus                         | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Hematopoietic System</b>    |             |   |   |   |   |   |   |   |   |   |         |
| Bone Marrow                    | +           | + | + | + | + | + | + | + | + | + | 10      |
| Lymph Node, Bronchial          | +           | + | M | + | + | + | M | M | + | + | 7       |
| Lymph Node, Mandibular         | +           | + | + | + | + | M | + | + | + | + | 9       |
| Lymph Node, Mediastinal        | +           | M | M | M | M | + | + | M | + | + | 5       |
| Lymph Node, Mesenteric         | +           | + | + | + | + | + | + | + | + | + | 10      |
| Spleen                         | +           | + | + | + | + | + | + | + | + | + | 10      |
| Thymus                         | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Integumentary System</b>    |             |   |   |   |   |   |   |   |   |   |         |
| Mammary Gland                  | +           | + | + | + | + | + | + | + | + | + | 10      |
| Skin                           | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Musculoskeletal System</b>  |             |   |   |   |   |   |   |   |   |   |         |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

| B6C3F1 Mouse Female<br>CONTROL | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                      | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |         |
| Bone                           | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Nervous System</b>          |             |   |   |   |   |   |   |   |   |   |         |
| Brain                          | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Respiratory System</b>      |             |   |   |   |   |   |   |   |   |   |         |
| Larynx                         | +           | + | + | + | + | + | + | + | + | + | 10      |
| Lung                           | +           | + | + | + | + | + | + | + | + | + | 10      |
| Nose                           | +           | + | + | + | + | + | + | + | + | + | 10      |
| Trachea                        | +           | + | M | + | + | + | + | + | + | + | 9       |
| <b>Special Senses System</b>   |             |   |   |   |   |   |   |   |   |   |         |
| Eye                            | +           | + | + | + | + | + | + | + | + | + | 10      |
| Harderian Gland                | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Urinary System</b>          |             |   |   |   |   |   |   |   |   |   |         |
| Kidney                         | +           | + | + | + | + | + | + | + | + | + | 10      |
| Urinary Bladder                | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>SYSTEMIC LESIONS</b>        |             |   |   |   |   |   |   |   |   |   |         |
| Multiple Organ                 | +           | + | + | + | + | + | + | + | + | + | 10      |

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

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

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

|   |             |   |   |   |   |   |   |   |   |   |   |                |
|---|-------------|---|---|---|---|---|---|---|---|---|---|----------------|
| <b>B6C3F1 Mouse Female</b><br><b>62.5 PPM</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                |
|   |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |                |
|   |             | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |                |
|   | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>*TOTALS</b> |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                |
|   | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |                |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |   |                |
|   | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |                |

**Alimentary System**

|                      |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|----|
| Liver                | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 10 |

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

|        |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|----|
| Spleen |   |   |   |   |   |   |   |   |   | + | 1  |
| Thymus | + | + | + | + | + | + | + | + | + | + | 10 |

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

|   |             |   |   |   |   |   |   |   |   |   |   |         |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---------|
| <b>B6C3F1 Mouse Female</b><br><b>62.5 PPM</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|   |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |
|   |             | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |         |
|   | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |         |
|   | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |         |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |   |         |
|   | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |         |

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

Kidney

+ + + + + + + + + + 10

**SYSTEMIC LESIONS**

Multiple Organ

+ + + + + + + + + + 10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

|  |             |   |   |   |   |   |   |   |   |   |   |                |
|--|-------------|---|---|---|---|---|---|---|---|---|---|----------------|
| <b>B6C3F1 Mouse Female</b><br><b>125 PPM</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                |
|  |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |                |
|  |             | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |                |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>*TOTALS</b> |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                |
|  | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |   |                |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |   |                |
|  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |                |

**Alimentary System**

|                      |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|----|
| Liver                | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 10 |

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

|        |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|----|
| Thymus | + | + | + | + | + | + | + | + | + | + | 10 |
|--------|---|---|---|---|---|---|---|---|---|---|----|

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

|  |             |         |   |   |   |   |   |   |   |   |   |
|--|-------------|---------|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 Mouse Female</b><br><b>125 PPM</b> | DAY ON TEST | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |             | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |             | 9       | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|  |             | 6       | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
|  | ANIMAL ID   | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |             | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |             | 5       | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|  |             | 0       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
|  |             | 1       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
|  |             | *TOTALS |   |   |   |   |   |   |   |   |   |

|                              |  |   |   |   |   |   |   |   |   |   |    |
|------------------------------|--|---|---|---|---|---|---|---|---|---|----|
| NONE                         |  |   |   |   |   |   |   |   |   |   |    |
| <b>Respiratory System</b>    |  |   |   |   |   |   |   |   |   |   |    |
| NONE                         |  |   |   |   |   |   |   |   |   |   |    |
| <b>Special Senses System</b> |  |   |   |   |   |   |   |   |   |   |    |
| NONE                         |  |   |   |   |   |   |   |   |   |   |    |
| <b>Urinary System</b>        |  |   |   |   |   |   |   |   |   |   |    |
| Kidney                       |  | + | + | + | + | + | + | + | + | + | 10 |
| <b>SYSTEMIC LESIONS</b>      |  |   |   |   |   |   |   |   |   |   |    |
| Multiple Organ               |  | + | + | + | + | + | + | + | + | + | 10 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

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

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

|  |             |   |   |   |   |   |   |   |   |   |   |         |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---------|
| <b>B6C3F1 Mouse Female</b><br><b>250 PPM</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |
|  |             | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |         |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |         |
|  | 7           | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |         |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |   |         |
|  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |         |

**Alimentary System**

|                      |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|----|
| Liver                | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 10 |

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

|        |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|----|
| Thymus | + | + | + | + | + | + | + | + | + | + | 10 |
|--------|---|---|---|---|---|---|---|---|---|---|----|

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

|  |             |   |   |   |   |   |   |   |   |   |   |         |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---------|
| <b>B6C3F1 Mouse Female</b><br><b>250 PPM</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |
|  |             | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |         |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |         |
|  | 7           | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |         |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |   |         |
|  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |         |

|                              |  |   |   |   |   |   |   |   |   |   |    |
|------------------------------|--|---|---|---|---|---|---|---|---|---|----|
| NONE                         |  |   |   |   |   |   |   |   |   |   |    |
| <b>Respiratory System</b>    |  |   |   |   |   |   |   |   |   |   |    |
| NONE                         |  |   |   |   |   |   |   |   |   |   |    |
| <b>Special Senses System</b> |  |   |   |   |   |   |   |   |   |   |    |
| NONE                         |  |   |   |   |   |   |   |   |   |   |    |
| <b>Urinary System</b>        |  |   |   |   |   |   |   |   |   |   |    |
| Kidney                       |  | + | + | + | + | + | + | + | + | + | 10 |
| <b>SYSTEMIC LESIONS</b>      |  |   |   |   |   |   |   |   |   |   |    |
| Multiple Organ               |  | + | + | + | + | + | + | + | + | + | 10 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

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



Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

| B6C3F1 Mouse Female<br>500 PPM | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                                |             |   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9       |
|                                |             | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6       |
| ANIMAL ID                      | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9       |
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1       |
|                                | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |
|                                |             |   |   |   |   |   |   |   |   |   | *TOTALS |

Alimentary System

|                           |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | 10 |

Cardiovascular System

|       |   |   |   |   |   |   |   |   |   |   |    |
|-------|---|---|---|---|---|---|---|---|---|---|----|
| Heart | + | + | + | + | + | + | + | + | + | + | 10 |
|-------|---|---|---|---|---|---|---|---|---|---|----|

Endocrine System

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland  | + | + | + | + | + | + | + | + | + | + | 10 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

| B6C3F1 Mouse Female<br>500 PPM | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                      | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |         |
|                                | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |
| Pituitary Gland                | +           | + | + | + | + | + | + | + | + | + | 10      |
| Thyroid Gland                  | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>General Body System</b>     |             |   |   |   |   |   |   |   |   |   |         |
| NONE                           |             |   |   |   |   |   |   |   |   |   |         |
| <b>Genital System</b>          |             |   |   |   |   |   |   |   |   |   |         |
| Clitoral Gland                 | M           | + | + | + | + | + | + | + | + | + | 9       |
| Ovary                          | +           | + | + | + | + | + | + | + | + | + | 10      |
| Uterus                         | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Hematopoietic System</b>    |             |   |   |   |   |   |   |   |   |   |         |
| Bone Marrow                    | +           | + | + | + | + | + | + | + | + | + | 10      |
| Lymph Node, Bronchial          | +           | + | M | + | M | M | M | + | + | + | 6       |
| Lymph Node, Mandibular         | +           | + | + | + | + | + | + | + | + | + | 10      |
| Lymph Node, Mediastinal        | M           | M | + | + | M | M | M | + | + | + | 5       |
| Lymph Node, Mesenteric         | +           | + | + | + | + | + | + | + | + | + | 10      |
| Spleen                         | +           | + | + | + | + | + | + | + | + | + | 10      |
| Thymus                         | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Integumentary System</b>    |             |   |   |   |   |   |   |   |   |   |         |
| Mammary Gland                  | +           | + | + | + | + | + | + | + | + | + | 10      |
| Skin                           | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Musculoskeletal System</b>  |             |   |   |   |   |   |   |   |   |   |         |

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

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

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

| B6C3F1 Mouse Female<br>500 PPM | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---------|
|                                | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| Bone                           |             | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Nervous System</b>          |             |   |   |   |   |   |   |   |   |   |   |         |
| Brain                          |             | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Respiratory System</b>      |             |   |   |   |   |   |   |   |   |   |   |         |
| Larynx                         |             | + | + | + | + | + | + | + | + | + | + | 10      |
| Lung                           |             | + | + | + | + | + | + | + | + | + | + | 10      |
| Nose                           |             | + | + | + | + | + | + | + | + | + | + | 10      |
| Trachea                        |             | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Special Senses System</b>   |             |   |   |   |   |   |   |   |   |   |   |         |
| Eye                            |             | + | + | + | + | + | + | + | + | + | + | 10      |
| Harderian Gland                |             | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Urinary System</b>          |             |   |   |   |   |   |   |   |   |   |   |         |
| Kidney                         |             | + | + | + | + | + | + | + | + | + | + | 10      |
| Urinary Bladder                |             | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>SYSTEMIC LESIONS</b>        |             |   |   |   |   |   |   |   |   |   |   |         |
| Multiple Organ                 |             | + | + | + | + | + | + | + | + | + | + | 10      |

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

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

Experiment Number: 96011-04

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Cumene

Time Report Requested: 02:31:54

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 98-82-8

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: BNW

|                                 |             |   |   |   |   |   |   |   |   |   |   |         |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---------|
| B6C3F1 Mouse Female<br>1000 PPM | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|                                 |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                 |             | 0 | 9 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 |         |
|                                 |             | 3 | 6 | 3 | 5 | 4 | 6 | 3 | 3 | 3 | 4 |         |
|                                 | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                 |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |         |
|                                 |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |         |
|                                 |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |         |
|                                 |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |

Alimentary System

|                           |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | A | + | A | A | + | + | + | A | A | + | 5  |
| Intestine Large, Cecum    | A | + | A | A | + | + | + | + | A | A | 5  |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum   | + | + | A | A | + | + | + | + | A | + | 7  |
| Intestine Small, Duodenum | A | + | A | A | A | + | + | A | A | A | 3  |
| Intestine Small, Ileum    | A | + | A | A | A | + | + | A | A | + | 4  |
| Intestine Small, Jejunum  | A | + | A | + | A | + | A | + | A | A | 4  |
| Liver                     | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular        | A | + | A | A | + | + | + | A | A | + | 5  |

Cardiovascular System

|       |   |   |   |   |   |   |   |   |   |   |    |
|-------|---|---|---|---|---|---|---|---|---|---|----|
| Heart | + | + | + | + | + | + | + | + | + | + | 10 |
|-------|---|---|---|---|---|---|---|---|---|---|----|

Endocrine System

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland  | M | + | + | M | M | + | + | M | + | + | 6  |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

| B6C3F1 Mouse Female<br>1000 PPM | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                       | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                 |             | 3 | 6 | 3 | 5 | 4 | 6 | 3 | 3 | 3 | 4       |
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                 | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |         |
|                                 | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |         |
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |         |
|                                 | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |
| Pituitary Gland                 | +           | + | + | + | + | + | + | + | + | + |         |
| Thyroid Gland                   | +           | + | + | + | + | + | + | + | + | + |         |
| <b>General Body System</b>      |             |   |   |   |   |   |   |   |   |   |         |
| NONE                            |             |   |   |   |   |   |   |   |   |   |         |
| <b>Genital System</b>           |             |   |   |   |   |   |   |   |   |   |         |
| Clitoral Gland                  | M           | + | M | + | + | + | + | M | + | + |         |
| Ovary                           | +           | + | + | + | + | + | + | + | + | + |         |
| Uterus                          | +           | + | A | A | + | + | + | + | + | + |         |
| <b>Hematopoietic System</b>     |             |   |   |   |   |   |   |   |   |   |         |
| Bone Marrow                     | +           | + | + | + | + | + | + | + | + | + |         |
| Lymph Node, Bronchial           | +           | + | + | + | M | + | + | + | M | M |         |
| Lymph Node, Mandibular          | +           | M | M | + | M | + | + | + | M | + |         |
| Lymph Node, Mediastinal         | +           | M | + | + | M | + | M | + | M | M |         |
| Lymph Node, Mesenteric          | +           | + | + | + | + | + | + | + | A | + |         |
| Spleen                          | A           | + | + | + | A | + | + | + | + | + |         |
| Thymus                          | +           | + | + | + | + | + | + | + | + | + |         |
| <b>Integumentary System</b>     |             |   |   |   |   |   |   |   |   |   |         |
| Mammary Gland                   | +           | + | + | + | + | + | + | + | + | + |         |
| Skin                            | +           | + | + | + | + | + | + | + | + | + |         |
| <b>Musculoskeletal System</b>   |             |   |   |   |   |   |   |   |   |   |         |

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

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

Experiment Number: 96011-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/20/2014

Time Report Requested: 02:31:54

First Dose M/F: NA / NA

Lab: BNW

| B6C3F1 Mouse Female<br>1000 PPM | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                       | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                                 | 3           | 6 | 3 | 5 | 4 | 6 | 3 | 3 | 3 | 4 |         |
|                                 | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |         |
|                                 | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |         |
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |         |
|                                 | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |
| Bone                            | +           | + | + | + | + | + | + | + | + | + |         |
| <b>Nervous System</b>           |             |   |   |   |   |   |   |   |   |   |         |
| Brain                           | +           | + | + | + | + | + | + | + | + | + |         |
| <b>Respiratory System</b>       |             |   |   |   |   |   |   |   |   |   |         |
| Larynx                          | +           | + | + | + | + | + | + | + | + | + |         |
| Lung                            | +           | + | + | + | + | + | + | + | + | + |         |
| Nose                            | +           | + | + | + | + | + | + | + | + | + |         |
| Trachea                         | +           | + | + | + | + | + | + | A | A | + |         |
| <b>Special Senses System</b>    |             |   |   |   |   |   |   |   |   |   |         |
| Eye                             | A           | + | + | A | + | + | + | A | A | + |         |
| Harderian Gland                 | +           | + | + | + | + | + | + | + | + | + |         |
| <b>Urinary System</b>           |             |   |   |   |   |   |   |   |   |   |         |
| Kidney                          | +           | + | + | + | + | + | + | + | + | + |         |
| Urinary Bladder                 | A           | + | A | + | + | + | + | A | A | + |         |
| <b>SYSTEMIC LESIONS</b>         |             |   |   |   |   |   |   |   |   |   |         |
| Multiple Organ                  | +           | + | + | + | + | + | + | + | + | + |         |

\*\* END OF REPORT \*\*

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically