

**Experiment Number:** 20301-01  
**Test Type:** 14-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F344/N Tac

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** p-Toluenesulfonamide  
**CAS Number:** 70-55-3

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:04:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

|                             |              |
|-----------------------------|--------------|
| <b>C Number:</b>            | C20301       |
| <b>Lock Date:</b>           | Not Entered. |
| <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         |

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 Lab: MBA

**F344/N Tac Rat Male  
 VEHICLE CONTROL**

| DAY ON TEST | 0       | 0 | 0 | 0 | 0 |
|-------------|---------|---|---|---|---|
|             | 0       | 0 | 0 | 0 | 0 |
|             | 1       | 1 | 1 | 1 | 1 |
|             | 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 |
|             | 1       | 2 | 3 | 4 | 5 |
|             | *TOTALS |   |   |   |   |

**Alimentary System**

Liver + + + + + 5

**Cardiovascular System**

Heart + + + + + 5

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

Testes + + + + + 5

**Hematopoietic System**

Thymus + + + + + 5

**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  
 BLANK ..Not examined microscopically

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 First Dose M/F: NA / NA  
 Lab: MBA

**F344/N Tac Rat Male**  
**VEHICLE CONTROL**

| DAY ON TEST | 0              | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|
|             | 0              | 0 | 0 | 0 | 0 |
|             | 1              | 1 | 1 | 1 | 1 |
|             | 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 |
|             | 1              | 2 | 3 | 4 | 5 |
|             | <b>*TOTALS</b> |   |   |   |   |

**Respiratory System**

Lung + + + + + 5

**Special Senses System**

NONE

**Urinary System**

Kidney + + + + + 5

**SYSTEMIC LESIONS**

Multiple Organ + + + + + 5

\* ..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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**Lab:** MBA

DAY ON TEST

**F344/N Tac Rat Male**  
**750 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**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

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+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

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

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**Lab:** MBA

DAY ON TEST

**F344/N Tac Rat Male**  
**750 PPM**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ 0

\* ..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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**Lab:** MBA

DAY ON TEST

**F344/N Tac Rat Male**  
**1500 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**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

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+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

M ..Missing tissue  
A ..Autolysis precludes evaluation  
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**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**F344/N Tac Rat Male**  
**1500 PPM**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ 0

\* ..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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**Lab:** MBA

DAY ON TEST

**F344/N Tac Rat Male**  
**3000 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**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

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+ ..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:** MBA

DAY ON TEST

**F344/N Tac Rat Male**  
**3000 PPM**

ANIMAL ID

\*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ 0

\* ..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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Date Report Requested: 10/22/2014  
 Time Report Requested: 15:04:31  
 First Dose M/F: NA / NA  
 Lab: MBA

**F344/N Tac Rat Male  
 10000 PPM**

| DAY ON TEST | 0       | 0 | 0 | 0 | 0 |
|-------------|---------|---|---|---|---|
|             | 0       | 0 | 0 | 0 | 0 |
|             | 1       | 1 | 1 | 1 | 1 |
|             | 5       | 5 | 5 | 5 | 5 |
| ANIMAL ID   | 0       | 0 | 0 | 0 | 0 |
|             | 0       | 0 | 0 | 0 | 0 |
|             | 0       | 0 | 0 | 0 | 0 |
|             | 2       | 2 | 2 | 2 | 2 |
|             | 1       | 2 | 3 | 4 | 5 |
|             | *TOTALS |   |   |   |   |

**Alimentary System**

Liver + + + + + 5

**Cardiovascular System**

Heart + + + + + 5

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

Testes + + + + + 5

**Hematopoietic System**

Thymus + + + + + 5

**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  
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M ..Missing tissue  
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 Time Report Requested: 15:04:31  
 First Dose M/F: NA / NA  
 Lab: MBA

**F344/N Tac Rat Male**  
**10000 PPM**

| DAY ON TEST | 0              | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|
|             | 0              | 0 | 0 | 0 | 0 |
|             | 1              | 1 | 1 | 1 | 1 |
|             | 5              | 5 | 5 | 5 | 5 |
| ANIMAL ID   | 0              | 0 | 0 | 0 | 0 |
|             | 0              | 0 | 0 | 0 | 0 |
|             | 0              | 0 | 0 | 0 | 0 |
|             | 2              | 2 | 2 | 2 | 2 |
|             | 1              | 2 | 3 | 4 | 5 |
|             | <b>*TOTALS</b> |   |   |   |   |

**Respiratory System**

Lung + + + + + 5

**Special Senses System**

NONE

**Urinary System**

Kidney + + + + + 5

**SYSTEMIC LESIONS**

Multiple Organ + + + + + 5

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 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue

M ..Missing tissue  
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
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Date Report Requested: 10/22/2014  
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 First Dose M/F: NA / NA  
 Lab: MBA

**F344/N Tac Rat Male  
 30000 PPM**

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

**Alimentary System**

Liver + + + + + 5

**Cardiovascular System**

Heart + + + + + 5

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

Testes + + + + + 5

**Hematopoietic System**

Thymus + + + + + 5

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

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M ..Missing tissue  
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 First Dose M/F: NA / NA  
 Lab: MBA

**F344/N Tac Rat Male  
 30000 PPM**

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

**Respiratory System**

Lung + + + + + 5

**Special Senses System**

NONE

**Urinary System**

Kidney + + + + + 5

**SYSTEMIC LESIONS**

Multiple Organ + + + + + 5

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

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 First Dose M/F: NA / NA  
 Lab: MBA

| F344/N Tac Rat Female<br>VEHICLE CONTROL | DAY ON TEST | 0 | 0 | 0 | 0 | 0       |
|--|-------------|---|---|---|---|---------|
|  |             | 0 | 0 | 0 | 0 | 0       |
|  | 1           | 1 | 1 | 1 | 1 | 1       |
|  | 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       |
|  | 3           | 3 | 3 | 3 | 3 | 3       |
|  | 1           | 2 | 3 | 4 | 5 |         |
|  |             |   |   |   |   | *TOTALS |

**Alimentary System**

Liver + + + + + 5

**Cardiovascular System**

Heart + + + + + 5

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Thymus + + + + + 5

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

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 First Dose M/F: NA / NA  
 Lab: MBA

|  |             |   |   |   |   |         |  |
|--|-------------|---|---|---|---|---------|--|
| F344/N Tac Rat Female<br>VEHICLE CONTROL | DAY ON TEST | 0 | 0 | 0 | 0 | 0       |  |
|  |             | 0 | 0 | 0 | 0 | 0       |  |
|  |             | 1 | 1 | 1 | 1 | 1       |  |
|  |             | 5 | 5 | 5 | 5 | 5       |  |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0       |  |
|  | 0           | 0 | 0 | 0 | 0 |         |  |
|  | 0           | 0 | 0 | 0 | 0 |         |  |
|  | 3           | 3 | 3 | 3 | 3 |         |  |
|  | 1           | 2 | 3 | 4 | 5 | *TOTALS |  |

|                              |   |   |   |   |   |  |   |
|------------------------------|---|---|---|---|---|--|---|
| <b>Respiratory System</b>    |   |   |   |   |   |  |   |
| Lung                         | + | + | + | + | + |  | 5 |
| <b>Special Senses System</b> |   |   |   |   |   |  |   |
| NONE                         |   |   |   |   |   |  |   |
| <b>Urinary System</b>        |   |   |   |   |   |  |   |
| Kidney                       | + | + | + | + | + |  | 5 |
| <b>SYSTEMIC LESIONS</b>      |   |   |   |   |   |  |   |
| Multiple Organ               | + | + | + | + | + |  | 5 |

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**Lab:** MBA

DAY ON TEST

**F344/N Tac Rat Female**  
**750 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**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

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Lab: MBA

DAY ON TEST

F344/N Tac Rat Female  
750 PPM

ANIMAL ID

\*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

0

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
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**Lab:** MBA

DAY ON TEST

**F344/N Tac Rat Female**  
**1500 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**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

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**Lab:** MBA

DAY ON TEST

**F344/N Tac Rat Female**  
**1500 PPM**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ

0

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
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**Lab:** MBA

DAY ON TEST

**F344/N Tac Rat Female**  
**3000 PPM**

ANIMAL ID

\*TOTALS

**Alimentary System**

NONE

**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

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**Lab:** MBA

DAY ON TEST

**F344/N Tac Rat Female**  
**3000 PPM**

ANIMAL ID

\*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ

0

\* ..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: 20301-01  
 Test Type: 14-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F344/N Tac

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: p-Toluenesulfonamide  
 CAS Number: 70-55-3

Date Report Requested: 10/22/2014  
 Time Report Requested: 15:04:31  
 First Dose M/F: NA / NA  
 Lab: MBA

| F344/N Tac Rat Female<br>10000 PPM | DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|------------------------------------|-------------|---|---|---|---|---|
|                                    |             | 0 | 0 | 0 | 0 | 0 |
|                                    | 1           | 1 | 1 | 1 | 1 | 1 |
|                                    | 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 |
|                                    | 5           | 5 | 5 | 5 | 5 | 5 |
|                                    | 1           | 2 | 3 | 4 | 5 | 5 |
|                                    | *TOTALS     |   |   |   |   |   |

**Alimentary System**

Liver + + + + + 5

**Cardiovascular System**

Heart + + + + + 5

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Thymus + + + + + 5

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

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 Lab: MBA

| F344/N Tac Rat Female<br>10000 PPM | DAY ON TEST    | 0 | 0 | 0 | 0 | 0 |
|------------------------------------|----------------|---|---|---|---|---|
|                                    |                | 0 | 0 | 0 | 0 | 0 |
|                                    | 1              | 1 | 1 | 1 | 1 | 1 |
|                                    | 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 |
|                                    | 5              | 5 | 5 | 5 | 5 | 5 |
|                                    | 1              | 2 | 3 | 4 | 5 | 5 |
|                                    | <b>*TOTALS</b> |   |   |   |   |   |

**Respiratory System**

Lung + + + + + 5

**Special Senses System**

NONE

**Urinary System**

Kidney + + + + + 5

**SYSTEMIC LESIONS**

Multiple Organ + + + + + 5

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Experiment Number: 20301-01  
 Test Type: 14-DAY  
 Route: DOSED FEED  
 Species/Strain: Rat/F344/N Tac

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: p-Toluenesulfonamide  
 CAS Number: 70-55-3

Date Report Requested: 10/22/2014  
 Time Report Requested: 15:04:31  
 First Dose M/F: NA / NA  
 Lab: MBA

| F344/N Tac Rat Female<br>30000 PPM | DAY ON TEST | 0 | 0 | 0 | 0 | 0       |
|------------------------------------|-------------|---|---|---|---|---------|
|                                    |             | 0 | 0 | 0 | 0 | 0       |
|                                    | 1           | 1 | 1 | 1 | 1 | 1       |
|                                    | 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       |
|                                    | 5           | 5 | 5 | 5 | 5 | 6       |
|                                    | 6           | 7 | 8 | 9 |   | 0       |
|                                    |             |   |   |   |   | *TOTALS |

**Alimentary System**

Liver + + + + + 5

**Cardiovascular System**

Heart + + + + + 5

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Thymus + + + + + 5

**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  
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Experiment Number: 20301-01  
 Test Type: 14-DAY  
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 Species/Strain: Rat/F344/N Tac

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 Test Compound: p-Toluenesulfonamide  
 CAS Number: 70-55-3

Date Report Requested: 10/22/2014  
 Time Report Requested: 15:04:31  
 First Dose M/F: NA / NA  
 Lab: MBA

|                                    |             |   |   |   |   |   |
|------------------------------------|-------------|---|---|---|---|---|
| F344/N Tac Rat Female<br>30000 PPM | DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|                                    |             | 0 | 0 | 0 | 0 | 0 |
|                                    |             | 1 | 1 | 1 | 1 | 1 |
|                                    |             | 5 | 5 | 5 | 5 | 5 |
|                                    | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 |
|                                    | 0           | 0 | 0 | 0 | 0 |   |
|                                    | 0           | 0 | 0 | 0 | 0 |   |
|                                    | 5           | 5 | 5 | 5 | 6 |   |
|                                    | 6           | 7 | 8 | 9 | 0 |   |
|                                    | *TOTALS     |   |   |   |   |   |

|                              |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|
| <b>Respiratory System</b>    |   |   |   |   |   |   |
| Lung                         | + | + | + | + | + | 5 |
| <b>Special Senses System</b> |   |   |   |   |   |   |
| NONE                         |   |   |   |   |   |   |
| <b>Urinary System</b>        |   |   |   |   |   |   |
| Kidney                       | + | + | + | + | + | 5 |
| <b>SYSTEMIC LESIONS</b>      |   |   |   |   |   |   |
| Multiple Organ               | + | + | + | + | + | 5 |

\*\* END OF REPORT \*\*

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