

**Study Number:** I10482B  
**Test Type:** TOX  
**Route:** Dosing in Feed  
**Species/Strain:** Rat/Harlan Sprague Dawley

**I06: Mean Feed Consumption**  
**Test Compound:** N-Butylbenzenesulfonamide  
**CAS Number:** 3622-84-2

**Date Report Requested:** 08/17/2022  
**Time Report Requested:** 12:10:32  
**Lab:** Burleson Research Technologies

**Study Number:** I10482B  
**Study Gender:** Both  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.4.2  
**Stat Version:** v2.9.1A

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Lab: Burlinson Research Technologies

F0 Females

Treatment Groups (ppm)

| Phase     | Days    | 0                    |                  |    | 250                  |                  |    | 500                  |                  |    |
|-----------|---------|----------------------|------------------|----|----------------------|------------------|----|----------------------|------------------|----|
|           |         | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  |
| Gestation | 6 - 9   | 16.4 ± 0.2 *         | 68.5 ± 0.9 *     | 30 | 16.7 ± 0.3           | 70.0 ± 1.2       | 29 | 16.3 ± 0.3           | 67.6 ± 1.0       | 30 |
|           | 9 - 12  | 17.4 ± 0.3           | 68.8 ± 1.1       | 30 | 18.6 ± 0.7           | 73.9 ± 2.6       | 29 | 17.3 ± 0.3           | 68.2 ± 1.0       | 30 |
|           | 12 - 15 | 17.9 ± 0.3 *         | 66.6 ± 0.8       | 30 | 18.3 ± 0.2           | 68.4 ± 0.7       | 29 | 17.4 ± 0.3           | 64.8 ± 0.8       | 30 |
|           | 15 - 18 | 20.1 ± 0.3 *         | 66.9 ± 0.7       | 30 | 20.6 ± 0.3           | 69.1 ± 0.8       | 29 | 19.8 ± 0.3           | 66.7 ± 0.8       | 30 |
|           | 18 - 21 | 22.0 ± 0.3 *         | 63.8 ± 0.6       | 30 | 21.8 ± 0.3           | 63.9 ± 0.8       | 29 | 21.3 ± 0.3           | 62.8 ± 0.6       | 30 |
|           | 6 - 21  | 18.8 ± 0.2 *         | 65.9 ± 0.6       | 30 | 19.2 ± 0.3           | 68.0 ± 0.8       | 29 | 18.4 ± 0.3           | 65.1 ± 0.6       | 30 |
| Lactation | 1 - 4   | 30.3 ± 0.6           | 110.2 ± 1.8      | 30 | 31.3 ± 0.6           | 114.7 ± 2.1      | 29 | 30.6 ± 1.1           | 112.6 ± 3.9      | 30 |
|           | 4 - 7   | 36.9 ± 0.5           | 131.1 ± 1.3      | 30 | 38.5 ± 0.5           | 137.3 ± 1.6 *    | 29 | 36.0 ± 0.6           | 129.0 ± 1.8      | 30 |
|           | 7 - 14  | 46.5 ± 0.7           | 160.8 ± 1.8      | 30 | 48.3 ± 1.2 *         | 167.2 ± 4.1 *    | 29 | 45.5 ± 0.7           | 160.3 ± 2.1      | 30 |
|           | 14 - 21 | 59.0 ± 0.9           | 208.4 ± 2.9 *    | 30 | 65.0 ± 1.1 **        | 229.8 ± 3.4 **   | 29 | 60.4 ± 0.9           | 217.5 ± 3.2      | 30 |
|           | 21 - 28 | 95.6 ± 1.1           | 352.0 ± 5.3      | 30 | 98.1 ± 1.0           | 363.5 ± 6.3      | 28 | 94.3 ± 1.0           | 353.2 ± 4.3      | 30 |
|           | 1 - 28  | 59.6 ± 0.6           | 214.1 ± 1.9 *    | 30 | 62.1 ± 0.7 *         | 224.0 ± 2.7 **   | 29 | 59.3 ± 0.6           | 216.2 ± 2.0      | 30 |

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**F0 Females**

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| Phase     | Days    | Treatment Groups (ppm) |                  |    |
|-----------|---------|------------------------|------------------|----|
|           |         | 1000                   |                  |    |
|           |         | Wt<br>(g/animal/day)   | Wt<br>(g/kg/day) | N  |
| Gestation | 6 - 9   | 15.5 ± 0.3             | 65.4 ± 1.3       | 29 |
|           | 9 - 12  | 16.7 ± 0.2             | 67.2 ± 0.7       | 29 |
|           | 12 - 15 | 17.5 ± 0.3             | 66.3 ± 1.0       | 29 |
|           | 15 - 18 | 19.5 ± 0.3             | 66.7 ± 0.8       | 29 |
|           | 18 - 21 | 21.4 ± 0.3             | 64.0 ± 0.7       | 29 |
|           | 6 - 21  | 18.1 ± 0.2             | 65.1 ± 0.6       | 29 |
| Lactation | 1 - 4   | 28.9 ± 0.7             | 108.5 ± 2.3      | 29 |
|           | 4 - 7   | 37.0 ± 0.5             | 135.3 ± 1.9      | 29 |
|           | 7 - 14  | 47.7 ± 0.6             | 168.8 ± 2.1 *    | 29 |
|           | 14 - 21 | 61.4 ± 1.1             | 222.2 ± 3.2 **   | 29 |
|           | 21 - 28 | 94.9 ± 1.5             | 358.8 ± 8.0      | 29 |
|           | 1 - 28  | 60.2 ± 0.7             | 222.0 ± 2.9 *    | 29 |

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F1 Males: SRBC

Treatment Groups (ppm)

| Phase | Days    | 0                    |                  |    | 250                  |                  |    | 500                  |                  |    |
|-------|---------|----------------------|------------------|----|----------------------|------------------|----|----------------------|------------------|----|
|       |         | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 14.8 ± 0.1           | 115.5 ± 2.0      | 12 | 16.6 ± 0.2 **        | 128.4 ± 1.6 **   | 12 | 15.4 ± 0.2           | 124.6 ± 2.0 *    | 12 |
|       | 7 - 14  | 20.1 ± 0.2 **        | 115.6 ± 2.2      | 12 | 21.1 ± 0.2           | 118.8 ± 1.3      | 12 | 19.6 ± 0.3           | 118.0 ± 1.9      | 12 |
|       | 14 - 21 | 22.6 ± 0.1 **        | 102.7 ± 1.8      | 12 | 23.3 ± 0.2           | 103.9 ± 1.5      | 12 | 23.4 ± 0.4           | 110.6 ± 1.5 **   | 10 |
|       | 21 - 28 | 23.4 ± 0.1 **        | 88.6 ± 1.4       | 12 | 24.1 ± 0.3           | 90.8 ± 1.3       | 12 | 23.9 ± 0.4           | 96.1 ± 1.5 **    | 12 |
|       | 28 - 35 | 23.8 ± 0.2 **        | 79.6 ± 1.4       | 12 | 24.8 ± 0.5           | 82.8 ± 1.6       | 12 | 24.4 ± 0.3           | 87.2 ± 1.4 **    | 12 |
|       | 35 - 42 | 23.4 ± 0.1 **        | 72.0 ± 1.1       | 12 | 25.1 ± 0.6           | 77.1 ± 1.6 *     | 12 | 24.2 ± 0.3           | 80.2 ± 1.3 **    | 12 |
|       | 42 - 49 | 24.1 ± 0.1 **        | 70.5 ± 1.1       | 12 | 25.5 ± 0.4           | 74.3 ± 1.1       | 12 | 24.8 ± 0.4           | 78.2 ± 1.9 **    | 12 |

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**F1 Males: SRBC**

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| Phase | Days    | Treatment Groups (ppm) |                  |    |
|-------|---------|------------------------|------------------|----|
|       |         | 1000                   |                  |    |
|       |         | Wt<br>(g/animal/day)   | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 14.5 ± 0.2             | 121.9 ± 1.5      | 12 |
|       | 7 - 14  | 18.7 ± 0.1 **          | 116.7 ± 1.3      | 12 |
|       | 14 - 21 | 20.5 ± 0.2 **          | 102.3 ± 1.0      | 12 |
|       | 21 - 28 | 21.7 ± 0.2 **          | 90.8 ± 1.0       | 12 |
|       | 28 - 35 | 21.9 ± 0.2 **          | 81.6 ± 0.8       | 12 |
|       | 35 - 42 | 21.3 ± 0.2 **          | 73.8 ± 0.9       | 12 |
|       | 42 - 49 | 21.4 ± 0.3 **          | 70.5 ± 0.9       | 12 |

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F1 Females: SRBC

Treatment Groups (ppm)

| Phase | Days    | 0                    |                  |    | 250                  |                  |    | 500                  |                  |    |
|-------|---------|----------------------|------------------|----|----------------------|------------------|----|----------------------|------------------|----|
|       |         | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 11.7 ± 0.1           | 104.7 ± 1.4 **   | 12 | 13.0 ± 0.1 **        | 119.8 ± 2.0 **   | 12 | 12.8 ± 0.1 **        | 118.6 ± 1.1 **   | 12 |
|       | 7 - 14  | 14.7 ± 0.1 *         | 104.9 ± 1.7      | 12 | 14.8 ± 0.1           | 106.7 ± 1.7      | 12 | 14.4 ± 0.1           | 107.4 ± 1.2      | 12 |
|       | 14 - 21 | 16.7 ± 0.4           | 101.7 ± 2.7      | 12 | 16.5 ± 0.3           | 101.5 ± 2.8      | 12 | 16.7 ± 0.4           | 107.7 ± 2.9      | 12 |
|       | 21 - 28 | 16.6 ± 0.3 **        | 91.4 ± 2.4       | 12 | 16.7 ± 0.2           | 92.7 ± 2.1       | 12 | 16.4 ± 0.2           | 94.9 ± 1.9       | 12 |
|       | 28 - 35 | 17.3 ± 0.5 *         | 87.8 ± 2.7       | 12 | 16.5 ± 0.2           | 83.9 ± 1.4       | 12 | 16.3 ± 0.2           | 87.1 ± 1.6       | 12 |
|       | 35 - 42 | 16.3 ± 0.1 **        | 77.1 ± 1.9       | 12 | 15.9 ± 0.1 **        | 75.6 ± 1.2       | 12 | 15.4 ± 0.1 **        | 78.2 ± 1.2       | 12 |
|       | 42 - 49 | 17.5 ± 0.0 *         | 78.3 ± 1.3       | 3  | 16.7 ± 0.1           | 76.9 ± 1.3       | 12 | 16.3 ± 0.1 *         | 79.1 ± 1.3       | 12 |

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**F1 Females: SRBC**

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| Phase | Days    | Treatment Groups (ppm) |                  |    |
|-------|---------|------------------------|------------------|----|
|       |         | 1000                   |                  |    |
|       |         | Wt<br>(g/animal/day)   | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 12.1 ± 0.2             | 117.5 ± 1.6 **   | 12 |
|       | 7 - 14  | 14.4 ± 0.2             | 110.4 ± 2.4      | 11 |
|       | 14 - 21 | 15.8 ± 0.4             | 103.3 ± 2.4      | 11 |
|       | 21 - 28 | 14.9 ± 0.4 **          | 87.7 ± 2.0       | 11 |
|       | 28 - 35 | 15.7 ± 0.4             | 85.8 ± 2.4       | 11 |
|       | 35 - 42 | 15.6 ± 0.6 **          | 79.7 ± 2.9       | 11 |
|       | 42 - 49 | 16.3 ± 0.5             | 79.6 ± 2.2       | 11 |

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F1 Males: KLH

Treatment Groups (ppm)

| Phase | Days    | 0                    |                  |    | 250                  |                  |    | 500                  |                  |    |
|-------|---------|----------------------|------------------|----|----------------------|------------------|----|----------------------|------------------|----|
|       |         | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 16.1 ± 0.3           | 131.5 ± 2.3      | 12 | 15.8 ± 0.3           | 127.6 ± 2.4      | 12 | 16.0 ± 0.3           | 138.2 ± 2.6      | 12 |
|       | 7 - 14  | 21.6 ± 0.2 *         | 128.8 ± 2.3      | 12 | 21.3 ± 0.3           | 127.9 ± 2.4      | 12 | 20.7 ± 0.2           | 131.6 ± 1.8      | 12 |
|       | 14 - 21 | 24.7 ± 0.3 **        | 115.7 ± 2.1      | 12 | 24.6 ± 0.4           | 116.4 ± 2.5      | 12 | 23.3 ± 0.3 *         | 117.7 ± 1.7      | 12 |
|       | 21 - 28 | 25.6 ± 0.3 **        | 100.2 ± 1.6      | 12 | 25.8 ± 0.3           | 102.0 ± 1.9      | 12 | 23.8 ± 0.3 **        | 100.4 ± 1.4      | 12 |
|       | 28 - 35 | 25.8 ± 0.2 **        | 87.4 ± 1.3       | 12 | 26.6 ± 0.4           | 91.4 ± 1.8       | 12 | 22.1 ± 1.8 *         | 80.8 ± 6.2       | 12 |
|       | 35 - 42 | 26.4 ± 0.2 **        | 81.2 ± 1.4       | 12 | 26.8 ± 0.3           | 83.5 ± 1.4       | 12 | 25.1 ± 0.2 **        | 84.1 ± 1.3       | 12 |
|       | 42 - 49 | 25.0 ± 0.2 *         | 71.7 ± 1.1       | 12 | 25.8 ± 0.4           | 75.2 ± 1.2       | 12 | 23.8 ± 0.2 *         | 74.3 ± 1.2       | 12 |
|       | 49 - 56 | 24.6 ± 0.3 **        | 66.6 ± 1.1       | 12 | 26.3 ± 0.2           | 73.0 ± 1.1 **    | 12 | 23.6 ± 0.3           | 70.3 ± 1.2       | 12 |
|       | 56 - 63 | 23.5 ± 0.3 **        | 61.3 ± 1.0       | 12 | 24.0 ± 0.2           | 64.1 ± 1.0       | 12 | 22.2 ± 0.3           | 64.0 ± 1.1       | 12 |
|       | 63 - 70 | 23.0 ± 0.2 *         | 58.5 ± 0.9 *     | 12 | 23.5 ± 0.4           | 61.3 ± 1.1       | 12 | 22.1 ± 0.4           | 61.7 ± 1.3       | 12 |



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**F1 Males: KLH**

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| Phase | Days    | Treatment Groups (ppm) |                  |    |
|-------|---------|------------------------|------------------|----|
|       |         | 1000                   |                  |    |
|       |         | Wt<br>(g/animal/day)   | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 15.3 ± 0.3             | 131.8 ± 1.9      | 12 |
|       | 7 - 14  | 21.0 ± 0.4             | 134.1 ± 3.3      | 12 |
|       | 14 - 21 | 23.4 ± 0.6 *           | 117.8 ± 2.8      | 12 |
|       | 21 - 28 | 24.0 ± 0.4 **          | 101.3 ± 2.0      | 12 |
|       | 28 - 35 | 24.8 ± 0.4 *           | 91.1 ± 1.7       | 12 |
|       | 35 - 42 | 25.1 ± 0.4 **          | 83.0 ± 1.9       | 10 |
|       | 42 - 49 | 24.1 ± 0.6             | 74.9 ± 1.7       | 12 |
|       | 49 - 56 | 23.1 ± 0.2 **          | 68.5 ± 1.2       | 12 |
|       | 56 - 63 | 22.0 ± 0.3 **          | 63.1 ± 1.4       | 12 |
|       | 63 - 70 | 22.3 ± 0.2             | 62.3 ± 1.3       | 12 |

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F1 Females: KLH

Treatment Groups (ppm)

| Phase | Days    | 0                    |                  |    | 250                  |                  |    | 500                  |                  |    |
|-------|---------|----------------------|------------------|----|----------------------|------------------|----|----------------------|------------------|----|
|       |         | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 12.6 ± 0.3           | 121.5 ± 2.7 *    | 12 | 12.3 ± 0.2           | 122.5 ± 3.4      | 12 | 13.0 ± 0.2           | 125.4 ± 2.2      | 12 |
|       | 7 - 14  | 15.1 ± 0.2 **        | 114.4 ± 1.4 **   | 12 | 15.4 ± 0.2           | 120.3 ± 3.4      | 12 | 16.2 ± 0.2 **        | 122.7 ± 1.9 **   | 12 |
|       | 14 - 21 | 16.8 ± 0.0           | 109.0 ± 1.6      | 12 | 18.0 ± 0.4           | 117.5 ± 4.4      | 12 | 17.1 ± 0.2           | 110.8 ± 2.1      | 12 |
|       | 21 - 28 | 17.7 ± 0.3           | 102.9 ± 2.4      | 12 | 17.5 ± 0.3           | 101.7 ± 2.9      | 12 | 17.8 ± 0.3           | 103.1 ± 2.8      | 12 |
|       | 28 - 35 | 17.4 ± 0.2           | 92.2 ± 2.2 *     | 12 | 16.9 ± 0.3           | 89.5 ± 2.2       | 12 | 17.5 ± 0.3           | 92.4 ± 2.2       | 12 |
|       | 35 - 42 | 17.4 ± 0.2           | 85.7 ± 2.1       | 12 | 16.8 ± 0.3           | 83.4 ± 2.1       | 12 | 17.0 ± 0.2           | 84.1 ± 1.8       | 12 |
|       | 42 - 49 | 17.1 ± 0.1           | 80.0 ± 1.2       | 12 | 16.4 ± 0.2           | 77.8 ± 1.7       | 12 | 16.7 ± 0.1           | 78.4 ± 1.5       | 12 |
|       | 49 - 56 | 16.5 ± 0.1           | 74.5 ± 0.9       | 12 | 15.4 ± 0.2 **        | 70.6 ± 1.5       | 12 | 16.3 ± 0.1           | 74.1 ± 1.5       | 12 |
|       | 56 - 63 | 15.7 ± 0.2           | 69.2 ± 1.3       | 12 | 14.5 ± 0.3 **        | 64.8 ± 1.7       | 12 | 15.1 ± 0.1           | 67.2 ± 1.4       | 12 |

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**F1 Females: KLH**

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| Phase | Days    | Treatment Groups (ppm) |                  |    |
|-------|---------|------------------------|------------------|----|
|       |         | 1000                   |                  |    |
|       |         | Wt<br>(g/animal/day)   | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 12.9 ± 0.1             | 128.2 ± 1.6      | 12 |
|       | 7 - 14  | 16.2 ± 0.1 **          | 126.2 ± 1.9 **   | 12 |
|       | 14 - 21 | 18.0 ± 0.4             | 119.1 ± 3.4      | 12 |
|       | 21 - 28 | 17.9 ± 0.2             | 106.3 ± 2.2      | 12 |
|       | 28 - 35 | 18.4 ± 0.5             | 100.3 ± 3.3      | 12 |
|       | 35 - 42 | 17.6 ± 0.6             | 89.6 ± 3.1       | 12 |
|       | 42 - 49 | 17.6 ± 0.6             | 85.5 ± 3.0       | 12 |
|       | 49 - 56 | 17.3 ± 0.6             | 81.5 ± 3.2       | 12 |
|       | 56 - 63 | 15.9 ± 0.5             | 72.6 ± 2.6       | 12 |

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F1 Males: Immunophenotyping

Treatment Groups (ppm)

| Phase | Days    | 0                    |                  |    | 250                  |                  |    | 500                  |                  |    |
|-------|---------|----------------------|------------------|----|----------------------|------------------|----|----------------------|------------------|----|
|       |         | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 15.6 ± 0.2           | 128.0 ± 1.2      | 12 | 15.5 ± 0.2           | 128.2 ± 2.2      | 12 | 16.1 ± 0.3           | 135.6 ± 2.0      | 12 |
|       | 7 - 14  | 20.9 ± 0.2           | 125.5 ± 1.4      | 12 | 21.3 ± 0.3           | 130.1 ± 3.0      | 12 | 20.8 ± 0.4           | 129.8 ± 1.6      | 12 |
|       | 14 - 21 | 23.7 ± 0.2           | 112.1 ± 1.0 *    | 12 | 24.5 ± 0.2           | 117.5 ± 2.5      | 12 | 23.6 ± 0.4           | 117.8 ± 1.5 *    | 11 |
|       | 21 - 28 | 24.9 ± 0.3           | 97.9 ± 0.7       | 12 | 25.0 ± 0.3           | 100.0 ± 1.8      | 12 | 24.3 ± 0.5           | 101.9 ± 1.8      | 11 |
|       | 28 - 35 | 25.3 ± 0.2           | 86.9 ± 0.8 **    | 12 | 25.7 ± 0.3           | 89.4 ± 1.8       | 12 | 25.1 ± 0.4           | 92.4 ± 1.4 **    | 11 |
|       | 35 - 42 | 25.8 ± 0.2           | 80.5 ± 0.8       | 12 | 26.4 ± 0.4           | 83.2 ± 1.5       | 12 | 25.0 ± 0.5           | 83.8 ± 1.6       | 11 |
|       | 42 - 49 | 24.7 ± 0.5           | 71.9 ± 1.0 *     | 12 | 25.5 ± 0.3           | 74.9 ± 1.2       | 12 | 24.1 ± 0.3           | 75.9 ± 1.5       | 11 |
|       | 49 - 56 | 23.7 ± 0.5           | 65.7 ± 1.0 **    | 12 | 25.0 ± 0.4           | 69.8 ± 1.0 *     | 12 | 24.4 ± 0.4           | 72.7 ± 1.4 **    | 11 |

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**F1 Males: Immunophenotyping**

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| Phase | Days    | Treatment Groups (ppm) |                  |    |
|-------|---------|------------------------|------------------|----|
|       |         | 1000                   |                  |    |
|       |         | Wt<br>(g/animal/day)   | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 15.9 ± 0.5             | 137.0 ± 5.6      | 12 |
|       | 7 - 14  | 20.6 ± 0.5             | 130.4 ± 3.4      | 12 |
|       | 14 - 21 | 23.6 ± 0.5             | 117.2 ± 2.4      | 12 |
|       | 21 - 28 | 24.2 ± 0.5             | 100.0 ± 2.0      | 12 |
|       | 28 - 35 | 25.0 ± 0.4             | 91.0 ± 1.3 **    | 12 |
|       | 35 - 42 | 25.4 ± 0.4             | 83.5 ± 1.1       | 12 |
|       | 42 - 49 | 24.3 ± 0.4             | 74.9 ± 1.0       | 12 |
|       | 49 - 56 | 24.1 ± 0.3             | 70.8 ± 0.7 **    | 12 |

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Study Number: I10482B

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Rat/Harlan Sprague Dawley

I06: Mean Feed Consumption

Test Compound: N-Butylbenzenesulfonamide

CAS Number: 3622-84-2

Date Report Requested: 08/17/2022

Time Report Requested: 12:10:32

Lab: Burleson Research Technologies

F1 Females: Immunophenotyping

Treatment Groups (ppm)

| Phase | Days    | 0                    |                  |    | 250                  |                  |    | 500                  |                  |    |
|-------|---------|----------------------|------------------|----|----------------------|------------------|----|----------------------|------------------|----|
|       |         | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 13.6 ± 0.3           | 126.9 ± 2.1 **   | 12 | 13.0 ± 0.2           | 123.2 ± 2.0      | 12 | 13.3 ± 0.2           | 130.7 ± 1.9      | 12 |
|       | 7 - 14  | 16.4 ± 0.3           | 119.5 ± 1.5 **   | 12 | 15.7 ± 0.2           | 117.3 ± 1.7      | 12 | 16.0 ± 0.3           | 122.1 ± 1.1      | 12 |
|       | 14 - 21 | 17.3 ± 0.2           | 107.3 ± 1.2 *    | 12 | 18.4 ± 0.5           | 115.9 ± 3.3      | 12 | 17.2 ± 0.3           | 111.4 ± 1.9      | 12 |
|       | 21 - 28 | 17.3 ± 0.3           | 96.3 ± 1.6 **    | 12 | 18.4 ± 0.3           | 103.6 ± 2.1 **   | 12 | 17.4 ± 0.4           | 101.0 ± 2.3 *    | 12 |
|       | 28 - 35 | 17.6 ± 0.1           | 89.6 ± 1.5       | 12 | 17.7 ± 0.3           | 90.5 ± 1.7       | 12 | 17.2 ± 0.2           | 91.0 ± 1.5       | 12 |
|       | 35 - 42 | 17.6 ± 0.3           | 83.6 ± 1.6       | 12 | 17.5 ± 0.2           | 83.8 ± 1.4       | 12 | 17.0 ± 0.2           | 83.8 ± 1.0       | 12 |
|       | 42 - 49 | 16.5 ± 0.4 **        | 74.8 ± 1.3       | 12 | 17.3 ± 0.2           | 78.5 ± 1.1       | 12 | 16.2 ± 0.2           | 76.1 ± 1.1       | 12 |

**Study Number:** I10482B

**Test Type:** TOX

**Route:** Dosing in Feed

**Species/Strain:** Rat/Harlan Sprague Dawley

**I06: Mean Feed Consumption**

**Test Compound:** N-Butylbenzenesulfonamide

**CAS Number:** 3622-84-2

**Date Report Requested:** 08/17/2022

**Time Report Requested:** 12:10:32

**Lab:** Burleson Research Technologies

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**F1 Females: Immunophenotyping**

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| Phase | Days    | Treatment Groups (ppm) |                  |    |
|-------|---------|------------------------|------------------|----|
|       |         | 1000                   |                  |    |
|       |         | Wt<br>(g/animal/day)   | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 13.1 ± 0.2             | 133.3 ± 1.8 *    | 12 |
|       | 7 - 14  | 15.8 ± 0.1             | 125.6 ± 1.7 *    | 12 |
|       | 14 - 21 | 17.5 ± 0.3             | 116.5 ± 2.7 *    | 12 |
|       | 21 - 28 | 18.1 ± 0.5             | 108.1 ± 3.2 **   | 12 |
|       | 28 - 35 | 17.3 ± 0.3             | 94.9 ± 2.2       | 12 |
|       | 35 - 42 | 16.7 ± 0.3             | 86.1 ± 1.6       | 12 |
|       | 42 - 49 | 15.5 ± 0.1 **          | 75.6 ± 0.9       | 12 |

Study Number: I10482B

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Rat/Harlan Sprague Dawley

I06: Mean Feed Consumption

Test Compound: N-Butylbenzenesulfonamide

CAS Number: 3622-84-2

Date Report Requested: 08/17/2022

Time Report Requested: 12:10:32

Lab: Burleson Research Technologies

F1 Males: CTL

Treatment Groups (ppm)

| Phase | Days    | 0                    |                  |    | 250                  |                  |    | 500                  |                  |    |
|-------|---------|----------------------|------------------|----|----------------------|------------------|----|----------------------|------------------|----|
|       |         | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 16.0 ± 0.3           | 125.4 ± 2.6      | 12 | 16.4 ± 0.2           | 132.0 ± 2.9      | 12 | 15.9 ± 0.2           | 126.6 ± 1.9      | 12 |
|       | 7 - 14  | 20.6 ± 0.3 **        | 118.4 ± 2.2      | 12 | 20.4 ± 0.2           | 117.6 ± 1.7      | 11 | 19.7 ± 0.2           | 116.5 ± 1.4      | 12 |
|       | 14 - 21 | 23.4 ± 0.4           | 106.1 ± 1.9      | 12 | 23.3 ± 0.3           | 106.5 ± 1.8      | 11 | 22.3 ± 0.1 *         | 104.6 ± 1.2      | 12 |
|       | 21 - 28 | 24.5 ± 0.3           | 92.6 ± 1.5 **    | 12 | 24.3 ± 0.3           | 93.7 ± 1.6       | 11 | 23.9 ± 0.4           | 95.4 ± 1.4       | 12 |
|       | 28 - 35 | 25.5 ± 0.2           | 84.7 ± 1.1 **    | 12 | 24.5 ± 0.4 *         | 83.7 ± 1.7       | 11 | 24.5 ± 0.4 *         | 86.0 ± 1.1       | 12 |
|       | 35 - 42 | 26.2 ± 0.6           | 79.6 ± 1.5       | 12 | 24.7 ± 0.5           | 78.4 ± 1.8       | 11 | 24.9 ± 0.8           | 79.6 ± 1.9       | 12 |
|       | 42 - 49 | 26.5 ± 0.5           | 77.3 ± 1.6       | 12 | 24.5 ± 0.4 *         | 75.5 ± 1.4       | 11 | 25.1 ± 0.8           | 76.9 ± 1.7       | 12 |
|       | 49 - 56 | 21.2 ± 0.6           | 60.4 ± 1.3       | 12 | 20.2 ± 0.4           | 60.9 ± 1.4       | 11 | 20.5 ± 0.5           | 60.5 ± 1.2       | 12 |



**Study Number:** I10482B

**Test Type:** TOX

**Route:** Dosing in Feed

**Species/Strain:** Rat/Harlan Sprague Dawley

**I06: Mean Feed Consumption**

**Test Compound:** N-Butylbenzenesulfonamide

**CAS Number:** 3622-84-2

**Date Report Requested:** 08/17/2022

**Time Report Requested:** 12:10:32

**Lab:** Burleson Research Technologies

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**F1 Males: CTL**

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| Phase | Days    | Treatment Groups (ppm) |                  |    |
|-------|---------|------------------------|------------------|----|
|       |         | 1000                   |                  |    |
|       |         | Wt<br>(g/animal/day)   | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 15.4 ± 0.2             | 129.1 ± 1.6      | 12 |
|       | 7 - 14  | 19.7 ± 0.2             | 121.3 ± 1.0      | 12 |
|       | 14 - 21 | 22.5 ± 0.3             | 109.9 ± 1.3      | 12 |
|       | 21 - 28 | 24.1 ± 0.3             | 98.3 ± 1.1 **    | 12 |
|       | 28 - 35 | 24.8 ± 0.3             | 89.4 ± 0.9 **    | 12 |
|       | 35 - 42 | 24.5 ± 0.4             | 80.6 ± 0.8       | 12 |
|       | 42 - 49 | 25.1 ± 0.5             | 78.8 ± 1.8       | 12 |
|       | 49 - 56 | 20.2 ± 0.5             | 62.0 ± 2.2       | 12 |

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Study Number: I10482B

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Rat/Harlan Sprague Dawley

I06: Mean Feed Consumption

Test Compound: N-Butylbenzenesulfonamide

CAS Number: 3622-84-2

Date Report Requested: 08/17/2022

Time Report Requested: 12:10:32

Lab: Burleson Research Technologies

F1 Females: CTL

Treatment Groups (ppm)

| Phase | Days    | 0                    |                  |    | 250                  |                  |    | 500                  |                  |    |
|-------|---------|----------------------|------------------|----|----------------------|------------------|----|----------------------|------------------|----|
|       |         | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 12.8 ± 0.3           | 113.8 ± 2.2 **   | 12 | 13.0 ± 0.1           | 120.6 ± 2.4 *    | 12 | 13.6 ± 0.2           | 131.6 ± 2.9 **   | 12 |
|       | 7 - 14  | 15.1 ± 0.1           | 105.7 ± 1.8 **   | 12 | 14.8 ± 0.1           | 108.2 ± 1.8      | 12 | 14.5 ± 0.2 *         | 110.8 ± 1.2 *    | 12 |
|       | 14 - 21 | 16.7 ± 0.1 **        | 100.7 ± 1.3      | 12 | 16.3 ± 0.2 *         | 102.2 ± 1.7      | 12 | 16.4 ± 0.5 *         | 107.5 ± 4.3      | 12 |
|       | 21 - 28 | 17.2 ± 0.3 **        | 93.0 ± 2.2       | 12 | 16.2 ± 0.3 **        | 91.7 ± 2.0       | 12 | 15.2 ± 0.3 **        | 88.7 ± 1.4       | 12 |
|       | 28 - 35 | 18.4 ± 0.4 **        | 92.0 ± 2.6 *     | 12 | 16.7 ± 0.3 **        | 86.8 ± 1.9       | 12 | 16.3 ± 0.4 **        | 88.0 ± 1.6       | 12 |
|       | 35 - 42 | 17.5 ± 0.6 **        | 82.9 ± 3.4       | 9  | 16.1 ± 0.2           | 79.1 ± 1.2       | 12 | 15.5 ± 0.1 **        | 78.9 ± 1.5       | 12 |
|       | 42 - 49 | 16.8 ± 0.3 **        | 77.5 ± 1.6       | 12 | 15.8 ± 0.2 *         | 75.7 ± 1.3       | 12 | 15.1 ± 0.1 **        | 74.3 ± 1.5       | 12 |

**Study Number:** I10482B

**Test Type:** TOX

**Route:** Dosing in Feed

**Species/Strain:** Rat/Harlan Sprague Dawley

**I06: Mean Feed Consumption**

**Test Compound:** N-Butylbenzenesulfonamide

**CAS Number:** 3622-84-2

**Date Report Requested:** 08/17/2022

**Time Report Requested:** 12:10:32

**Lab:** Burleson Research Technologies

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**F1 Females: CTL**

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| Phase | Days    | Treatment Groups (ppm) |                  |    |
|-------|---------|------------------------|------------------|----|
|       |         | 1000                   |                  |    |
|       |         | Wt<br>(g/animal/day)   | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 12.9 ± 0.2             | 126.6 ± 2.5 **   | 12 |
|       | 7 - 14  | 14.9 ± 0.2             | 114.8 ± 2.0 **   | 12 |
|       | 14 - 21 | 15.6 ± 0.3 **          | 102.8 ± 1.7      | 12 |
|       | 21 - 28 | 15.7 ± 0.3 **          | 91.9 ± 1.4       | 12 |
|       | 28 - 35 | 15.4 ± 0.4 **          | 84.0 ± 2.0       | 12 |
|       | 35 - 42 | 15.7 ± 0.3 *           | 80.9 ± 2.0       | 12 |
|       | 42 - 49 | 15.0 ± 0.3 **          | 75.0 ± 2.0       | 12 |

Study Number: I10482B

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Rat/Harlan Sprague Dawley

I06: Mean Feed Consumption

Test Compound: N-Butylbenzenesulfonamide

CAS Number: 3622-84-2

Date Report Requested: 08/17/2022

Time Report Requested: 12:10:32

Lab: Burleson Research Technologies

F1 Males: Immunopathology

Treatment Groups (ppm)

| Phase | Days    | 0                    |                  |    | 250                  |                  |    | 500                  |                  |    |
|-------|---------|----------------------|------------------|----|----------------------|------------------|----|----------------------|------------------|----|
|       |         | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 16.3 ± 0.3 **        | 131.8 ± 2.1      | 12 | 15.0 ± 0.4 *         | 123.5 ± 3.3      | 11 | 15.5 ± 0.3 *         | 131.6 ± 1.9      | 12 |
|       | 7 - 14  | 21.9 ± 0.2 **        | 129.3 ± 1.9      | 12 | 21.5 ± 0.4           | 130.3 ± 2.1      | 11 | 20.1 ± 0.3 **        | 126.5 ± 1.7      | 12 |
|       | 14 - 21 | 24.7 ± 0.4 *         | 114.2 ± 1.7      | 12 | 24.7 ± 0.5           | 117.6 ± 2.1      | 11 | 22.5 ± 0.4 **        | 112.4 ± 1.4      | 12 |
|       | 21 - 28 | 25.7 ± 0.3 **        | 99.1 ± 1.3       | 12 | 25.2 ± 0.4           | 100.4 ± 1.9      | 11 | 23.2 ± 0.2 **        | 97.6 ± 1.4       | 12 |
|       | 28 - 35 | 25.6 ± 0.4           | 85.9 ± 1.1 *     | 12 | 26.6 ± 0.4           | 92.6 ± 1.2 **    | 11 | 24.4 ± 0.3           | 89.6 ± 1.6       | 12 |
|       | 35 - 42 | 26.3 ± 0.5 *         | 80.1 ± 1.1       | 12 | 26.6 ± 0.4           | 84.4 ± 1.4       | 11 | 24.1 ± 0.3 **        | 80.8 ± 1.5       | 12 |
|       | 42 - 49 | 25.2 ± 0.3 **        | 71.8 ± 0.8       | 12 | 25.8 ± 0.2           | 77.0 ± 1.1 **    | 11 | 23.6 ± 0.5 *         | 73.8 ± 1.4       | 12 |
|       | 49 - 56 | 24.1 ± 0.6 *         | 65.7 ± 2.1       | 12 | 24.5 ± 0.4           | 69.5 ± 1.1       | 11 | 23.6 ± 0.3           | 69.9 ± 0.9       | 12 |

**Study Number:** I10482B

**Test Type:** TOX

**Route:** Dosing in Feed

**Species/Strain:** Rat/Harlan Sprague Dawley

**I06: Mean Feed Consumption**

**Test Compound:** N-Butylbenzenesulfonamide

**CAS Number:** 3622-84-2

**Date Report Requested:** 08/17/2022

**Time Report Requested:** 12:10:32

**Lab:** Burleson Research Technologies

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**F1 Males: Immunopathology**

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| Phase | Days    | Treatment Groups (ppm) |                  |    |
|-------|---------|------------------------|------------------|----|
|       |         | 1000                   |                  |    |
|       |         | Wt<br>(g/animal/day)   | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 14.7 ± 0.2 **          | 128.1 ± 2.0      | 12 |
|       | 7 - 14  | 20.6 ± 0.5 **          | 132.7 ± 4.0      | 12 |
|       | 14 - 21 | 23.6 ± 0.4             | 120.0 ± 2.4      | 12 |
|       | 21 - 28 | 23.8 ± 0.3 **          | 100.7 ± 1.8      | 12 |
|       | 28 - 35 | 24.9 ± 0.5             | 91.9 ± 1.9 *     | 12 |
|       | 35 - 42 | 25.5 ± 0.5             | 85.0 ± 2.4       | 12 |
|       | 42 - 49 | 24.1 ± 0.4 *           | 75.7 ± 1.6       | 12 |
|       | 49 - 56 | 23.4 ± 0.2             | 69.5 ± 1.0       | 12 |

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Study Number: I10482B

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Rat/Harlan Sprague Dawley

I06: Mean Feed Consumption

Test Compound: N-Butylbenzenesulfonamide

CAS Number: 3622-84-2

Date Report Requested: 08/17/2022

Time Report Requested: 12:10:32

Lab: Burleson Research Technologies

F1 Females: Immunopathology

Treatment Groups (ppm)

| Phase | Days    | 0                    |                  |    | 250                  |                  |    | 500                  |                  |    |
|-------|---------|----------------------|------------------|----|----------------------|------------------|----|----------------------|------------------|----|
|       |         | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  | Wt<br>(g/animal/day) | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 12.5 ± 0.3           | 120.0 ± 1.9 *    | 12 | 13.3 ± 0.3           | 125.5 ± 2.7      | 12 | 13.4 ± 0.3 *         | 128.3 ± 2.7      | 12 |
|       | 7 - 14  | 15.4 ± 0.2           | 115.7 ± 1.7      | 12 | 16.0 ± 0.1           | 118.6 ± 1.5      | 12 | 16.2 ± 0.3           | 121.5 ± 1.9      | 12 |
|       | 14 - 21 | 16.5 ± 0.2           | 105.4 ± 1.7      | 12 | 17.6 ± 0.1 **        | 111.0 ± 1.2 *    | 12 | 17.0 ± 0.4           | 108.3 ± 2.5      | 12 |
|       | 21 - 28 | 16.6 ± 0.4           | 95.8 ± 1.6       | 12 | 17.6 ± 0.1 *         | 99.9 ± 1.4       | 12 | 17.2 ± 0.5           | 98.7 ± 2.9       | 12 |
|       | 28 - 35 | 16.0 ± 0.6           | 84.0 ± 2.2       | 12 | 17.4 ± 0.2 **        | 90.3 ± 1.4       | 12 | 16.5 ± 0.3           | 87.4 ± 1.4       | 12 |
|       | 35 - 42 | 16.9 ± 0.4           | 83.1 ± 1.6       | 12 | 17.8 ± 0.2 *         | 86.8 ± 2.2       | 12 | 16.4 ± 0.2           | 81.1 ± 1.2       | 12 |
|       | 42 - 49 | 15.9 ± 0.4           | 74.4 ± 1.8       | 12 | 17.1 ± 0.2 *         | 79.6 ± 1.5       | 12 | 15.3 ± 0.2           | 71.6 ± 1.1       | 12 |

**Study Number:** I10482B

**Test Type:** TOX

**Route:** Dosing in Feed

**Species/Strain:** Rat/Harlan Sprague Dawley

**I06: Mean Feed Consumption**

**Test Compound:** N-Butylbenzenesulfonamide

**CAS Number:** 3622-84-2

**Date Report Requested:** 08/17/2022

**Time Report Requested:** 12:10:32

**Lab:** Burleson Research Technologies

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**F1 Females: Immunopathology**

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| Phase | Days    | Treatment Groups (ppm) |                  |    |
|-------|---------|------------------------|------------------|----|
|       |         | 1000                   |                  |    |
|       |         | Wt<br>(g/animal/day)   | Wt<br>(g/kg/day) | N  |
| Study | 0 - 7   | 12.6 ± 0.2             | 127.1 ± 1.8      | 12 |
|       | 7 - 14  | 14.9 ± 0.1             | 117.0 ± 1.4      | 12 |
|       | 14 - 21 | 16.2 ± 0.1             | 107.6 ± 1.4      | 12 |
|       | 21 - 28 | 17.1 ± 0.2             | 101.5 ± 1.7      | 12 |
|       | 28 - 35 | 16.5 ± 0.2             | 89.8 ± 1.3       | 12 |
|       | 35 - 42 | 16.9 ± 0.2             | 85.6 ± 1.5       | 12 |
|       | 42 - 49 | 15.7 ± 0.3             | 75.3 ± 1.7       | 12 |

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**Study Number:** I10482B

**Test Type:** TOX

**Route:** Dosing in Feed

**Species/Strain:** Rat/Harlan Sprague Dawley

**I06: Mean Feed Consumption**

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**CAS Number:** 3622-84-2

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#### LEGEND

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Data are displayed as mean  $\pm$  SEM

Feed consumption values were excluded when excessive spillage was recorded.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Group housed adult animals were housed up to two males per cage or up to four females per cage.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

Consumption is not reported for the non-pregnant animals during gestation and lactation phases

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