Experiment Number: **103698**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **2,4,5-Trichloronitrobenzene**

CAS Number: **89-69-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **13:55:13**

**NTP Study Number:** 103698

**Study Result:** Positive

Experiment Number: **103698**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **2,4,5-Trichloronitrobenzene**

CAS Number: **89-69-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **13:55:13**

**Strain: TA100**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 30% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 93 ± 2.6 | 86 ± 5.2 | 105 ± 1.7 | 86 ± 7.4 | 95 ± 2.6 |
| 1.0 | | 105 ± 6.4 | | | |
| 3.3 | 125 ± 5.4 | 158 ± 6.2 | | | |
| 10.0 | 249 ± 8.8 | 276 ± 4.3 | 113 ± 2.6 | 89 ± 2.3 | 112 ± 4.9 |
| 20.0 | 338 ± 16.8 | 384 ± 9.5 | | | |
| 33.0 | 412 ± 16.5 | 434 ± 11.6 | 195 ± 5.4 | 160 ± 3.6 | 168 ± 13.9 |
| 67.0 | 190 ± 19.0[s] | | 297 ± 10.4 | 255 ± 11.6 | 326 ± 13.7 |
| 100.0 | | | 392 ± 3.0 | 315 ± 15.9 | 865 ± 25.1 |
| 200.0 | | | 801 ± 13.7 | 800 ± 17.3 | 1289 ± 124.7 |
| Trial Summary | Positive | Positive | Positive | Positive | Positive |
| Positive Control[2] | | | | | |
| Positive Control[3] | 330 ± 22.5 | 472 ± 8.2 | | | |
| Positive Control[4] | | | 831 ± 5.2 | | |
| Positive Control[5] | | | | | 1011 ± 12.2 |
| Positive Control[6] | | | | 678 ± 51.0 | |

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Date Report Requested: **09/11/2018**

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**Strain: TA100**

| Dose (ug/Plate) | With 30% Hamster S9 |
|---|---|
| Vehicle Control[1] | 95 ± 6.4 |
| 1.0 | |
| 3.3 | |
| 10.0 | 108 ± 4.0 |
| 20.0 | |
| 33.0 | 171 ± 10.1 |
| 67.0 | 539 ± 26.4 |
| 100.0 | 1018 ± 15.0 |
| 200.0 | 1887 ± 30.3 |
| Trial Summary | Positive |
| Positive Control[2] | |
| Positive Control[3] | |
| Positive Control[4] | |
| Positive Control[5] | 511 ± 19.4 |
| Positive Control[6] | |

Experiment Number: **103698**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

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CAS Number: **89-69-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **13:55:13**

**Strain: TA98**

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 | With 30% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 25 ± 2.9 | 23 ± 0.9 | 29 ± 3.1 | 23 ± 2.6 | 27 ± 1.5 |
| 3.3 | 18 ± 0.6 | | | | |
| 10.0 | 23 ± 0.7 | 25 ± 2.2 | 23 ± 1.0 | 22 ± 3.8 | 27 ± 5.3 |
| 20.0 | 18 ± 3.8 | | | | |
| 33.0 | 29 ± 0.3 | 32 ± 2.7 | 36 ± 3.3 | 27 ± 3.8 | 25 ± 3.8 |
| 67.0 | 14 ± 1.5[s] | 30 ± 3.3 | 27 ± 3.1 | 32 ± 4.5 | 47 ± 3.6 |
| 100.0 | | 36 ± 3.8 | 39 ± 1.2 | 43 ± 6.1 | 55 ± 2.7 |
| 200.0 | | 46 ± 3.0 | 49 ± 8.3 | 62 ± 2.6 | 97 ± 6.4 |
| Trial Summary | Negative | Weakly Positive | Equivocal | Positive | Positive |
| Positive Control[7] | | | | 57 ± 5.8 | |
| Positive Control[2] | | 141 ± 7.9 | | | 104 ± 10.1 |
| Positive Control[5] | | | 176 ± 15.4 | | |
| Positive Control[8] | 137 ± 2.3 | | | | |

**LEGEND**

Values given as Mean or Mean ± Standard Error Mean
The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations
CAS Number = Chemical Abstracts Service registry number
1: Vehicle Control: Dimethyl Sulfoxide
2: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 2.0 ug/Plate 2-Aminoanthracene
7: 0.2 ug/Plate 2-Aminoanthracene
8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **