

Experiment Number: 458572

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

G06: Ames Summary Data

Test Compound: **Butyl(2,4,5-trichlorophenoxy) acetate**

CAS Number: 93-79-8

Date Report Requested: 09/11/2018

Time Report Requested: 04:37:10

NTP Study Number:

458572

Study Result:

Negative

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Test Compound: Butyl(2,4,5-trichlorophenoxy) acetate
CAS Number: 93-79-8

Date Report Requested: 09/11/2018

Time Report Requested: 04:37:10

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-------------|-------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 128 ± 6.5 | 141 ± 6.8 | 129 ± 6.9 | 148 ± 7.1 | 149 ± 6.8 |
| 100.0 | 130 ± 5.5 | 140 ± 3.5 | 131 ± 1.2 | 140 ± 7.3 | 147 ± 5.5 |
| 333.0 | 120 ± 11.4 | 135 ± 5.0 | 118 ± 10.5 | 118 ± 7.2 | 138 ± 9.0 |
| 1000.0 | 111 ± 12.5 | 142 ± 1.5 | 109 ± 3.7 | 123 ± 4.1 | 136 ± 7.0 |
| 3333.0 | 111 ± 10.8 | 140 ± 4.7 | 102 ± 7.8 | 112 ± 14.9 | 117 ± 11.0 |
| 10000.0 | 130 ± 1.3 | 141 ± 5.5 | 92 ± 5.2 | 95 ± 3.8 | 102 ± 16.8 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 1046 ± 45.0 |
| Positive Control ³ | | | 994 ± 24.8 | 1296 ± 46.2 | |
| Positive Control ⁴ | 1168 ± 19.1 | 1168 ± 35.2 | | | |

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Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 148 ± 8.2 |
| 100.0 | 138 ± 4.6 |
| 333.0 | 117 ± 10.6 |
| 1000.0 | 130 ± 5.0 |
| 3333.0 | 116 ± 7.4 |
| 10000.0 | 94 ± 1.0 |
| Trial Summary | Negative |
| Positive Control ² | 1264 ± 50.8 |
| Positive Control ³ | |
| Positive Control ⁴ | |

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Date Report Requested: 09/11/2018

Time Report Requested: 04:37:10

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 24 ± 2.4 | 38 ± 4.2 | 12 ± 2.6 | 20 ± 1.3 | 9 ± 1.7 |
| 100.0 | 24 ± 2.0 | 31 ± 2.4 | 10 ± 0.6 | 23 ± 0.3 | 11 ± 1.2 |
| 333.0 | 24 ± 1.9 | 29 ± 3.2 | 11 ± 1.5 | 20 ± 3.2 | 10 ± 2.7 |
| 1000.0 | 26 ± 5.3 | 29 ± 4.0 | 11 ± 1.2 | 16 ± 2.5 | 11 ± 1.2 |
| 3333.0 | 24 ± 1.5 | 33 ± 3.4 | 9 ± 2.0 | 17 ± 3.1 | 13 ± 1.5 |
| 10000.0 | 24 ± 2.0 | 31 ± 3.2 | 9 ± 0.6 | 12 ± 3.2 | 10 ± 1.8 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 69 ± 3.2 |
| Positive Control ³ | | | 57 ± 3.3 | 82 ± 5.0 | |
| Positive Control ⁴ | 810 ± 43.3 | 912 ± 38.7 | | | |

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Strain: TA1535

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 18 ± 2.8 |
| 100.0 | 18 ± 1.9 |
| 333.0 | 17 ± 1.8 |
| 1000.0 | 15 ± 0.9 |
| 3333.0 | 16 ± 2.7 |
| 10000.0 | 11 ± 1.2 |
| Trial Summary | Negative |
| Positive Control ² | 89 ± 4.7 |
| Positive Control ³ | |
| Positive Control ⁴ | |

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Date Report Requested: 09/11/2018

Time Report Requested: 04:37:10

Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 6 ± 1.2 | 9 ± 2.6 | 4 ± 1.8 | 12 ± 1.2 | 8 ± 1.0 |
| 100.0 | 5 ± 2.2 | 6 ± 0.9 | 5 ± 2.3 | 9 ± 1.2 | 8 ± 1.9 |
| 333.0 | 3 ± 0.9 | 5 ± 0.3 | 4 ± 0.6 | 10 ± 1.2 | 10 ± 1.7 |
| 1000.0 | 3 ± 1.5 | 4 ± 2.0 | 9 ± 2.3 | 13 ± 2.5 | 8 ± 2.7 |
| 3333.0 | 3 ± 0.6 | 4 ± 1.5 | 4 ± 0.7 | 11 ± 1.5 | 5 ± 1.9 |
| 10000.0 | 4 ± 1.2 | 6 ± 2.6 | 2 ± 0.6 | 6 ± 1.8 | 2 ± 1.0 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 86 ± 7.1 |
| Positive Control ³ | | | 89 ± 4.6 | 97 ± 10.8 | |
| Positive Control ⁵ | 176 ± 30.5 | 408 ± 3.5 | | | |

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Strain: TA1537

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 12 ± 2.9 |
| 100.0 | 7 ± 2.0 |
| 333.0 | 10 ± 0.0 |
| 1000.0 | 9 ± 1.5 |
| 3333.0 | 6 ± 0.7 |
| 10000.0 | 6 ± 1.2 |
| Trial Summary | Negative |
| Positive Control ² | 119 ± 6.0 |
| Positive Control ³ | |
| Positive Control ⁵ | |

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Date Report Requested: 09/11/2018

Time Report Requested: 04:37:10

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 17 ± 3.0 | 18 ± 0.9 | 26 ± 1.9 | 27 ± 1.7 | 27 ± 3.8 |
| 100.0 | 14 ± 0.9 | 21 ± 0.9 | 24 ± 2.9 | 31 ± 2.7 | 30 ± 4.1 |
| 333.0 | 13 ± 2.3 | 18 ± 3.2 | 25 ± 4.1 | 33 ± 2.3 | 27 ± 1.7 |
| 1000.0 | 16 ± 1.5 | 20 ± 4.0 | 22 ± 2.6 | 35 ± 1.7 | 29 ± 1.8 |
| 3333.0 | 11 ± 1.2 | 16 ± 3.2 | 21 ± 1.8 | 25 ± 3.5 | 38 ± 1.9 |
| 10000.0 | 15 ± 3.0 | 19 ± 3.2 | 19 ± 1.8 | 18 ± 0.9 | 25 ± 2.9 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 899 ± 56.4 |
| Positive Control ³ | | | 745 ± 35.6 | 962 ± 22.6 | |
| Positive Control ⁶ | 1190 ± 19.3 | 1385 ± 7.2 | | | |

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Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 31 ± 0.9 |
| 100.0 | 34 ± 3.8 |
| 333.0 | 31 ± 3.8 |
| 1000.0 | 35 ± 2.6 |
| 3333.0 | 27 ± 1.2 |
| 10000.0 | 27 ± 2.9 |
| Trial Summary | Negative |
| Positive Control ² | 1124 ± 53.1 |
| Positive Control ³ | |
| Positive Control ⁶ | |

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LEGEND

Values given as Mean or Mean \pm 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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****