

Experiment Number: 005405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyl(2,4-dichlorophenoxy) acetate

CAS Number: 94-80-4

Date Report Requested: 09/14/2018

Time Report Requested: 00:38:43

NTP Study Number:

005405

Study Result:

Negative

Experiment Number: 005405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyl(2,4-dichlorophenoxy) acetate
CAS Number: 94-80-4

Date Report Requested: 09/14/2018

Time Report Requested: 00:38:43

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-------------------------|------------------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 132 ± 1.9 | 141 ± 7.7 | 120 ± 8.0 | 139 ± 1.2 | 176 ± 12.2 |
| 0.3 | | 138 ± 5.9 | | | |
| 1.0 | | 131 ± 1.5 | | | |
| 3.3 | 131 ± 7.2 | 143 ± 7.0 | | | |
| 10.0 | 120 ± 7.1 | 151 ± 8.9 | | | |
| 33.0 | 125 ± 13.6 ^s | 128 ± 3.5 ^s | | | |
| 100.0 | 119 ± 1.3 ^s | | 143 ± 4.8 | 133 ± 6.1 | 169 ± 7.2 |
| 333.0 | 123 ± 11.8 ^s | | 145 ± 4.9 | 132 ± 3.2 | 155 ± 6.4 |
| 1000.0 | | | 135 ± 8.7 | 153 ± 12.6 | 163 ± 3.9 |
| 3333.0 | | | 150 ± 18.0 | 156 ± 1.0 | 175 ± 5.8 |
| 10000.0 | | | 154 ± 6.9 | 150 ± 3.5 | 153 ± 5.6 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 560 ± 48.8 |
| Positive Control ³ | | | 1400 ± 30.9 | 1032 ± 14.6 | |
| Positive Control ⁴ | 1213 ± 42.6 | 1259 ± 37.3 | | | |

Experiment Number: 005405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyl(2,4-dichlorophenoxy) acetate
CAS Number: 94-80-4

Date Report Requested: 09/14/2018

Time Report Requested: 00:38:43

Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 152 ± 14.9 |
| 0.3 | |
| 1.0 | |
| 3.3 | |
| 10.0 | |
| 33.0 | |
| 100.0 | 165 ± 5.8 |
| 333.0 | 149 ± 13.1 |
| 1000.0 | 168 ± 6.4 |
| 3333.0 | 180 ± 2.1 |
| 10000.0 | 161 ± 2.9 |
| Trial Summary | Negative |
| Positive Control ² | 1001 ± 24.1 |
| Positive Control ³ | |
| Positive Control ⁴ | |

Experiment Number: 005405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyl(2,4-dichlorophenoxy) acetate
CAS Number: 94-80-4

Date Report Requested: 09/14/2018

Time Report Requested: 00:38:43

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-----------------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 27 ± 3.5 | 30 ± 2.1 | 11 ± 1.5 | 11 ± 2.0 | 11 ± 2.4 |
| 0.3 | | 32 ± 1.7 | | | |
| 1.0 | | 33 ± 5.0 | | | |
| 3.3 | 20 ± 3.7 | 38 ± 3.3 | | | |
| 10.0 | 17 ± 1.2 | 35 ± 1.5 | | | |
| 33.0 | 20 ± 2.6 ^s | 23 ± 1.2 ^s | | | |
| 100.0 | 17 ± 3.5 ^s | | 12 ± 2.1 | 14 ± 0.6 | 12 ± 0.7 |
| 333.0 | 16 ± 0.6 ^s | | 9 ± 2.6 | 15 ± 2.0 | 11 ± 1.2 |
| 1000.0 | | | 9 ± 0.9 | 13 ± 0.9 | 10 ± 2.4 |
| 3333.0 | | | 10 ± 0.9 | 16 ± 0.9 | 9 ± 0.9 |
| 10000.0 | | | 11 ± 1.2 | 11 ± 0.3 | 14 ± 3.1 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 53 ± 1.9 |
| Positive Control ³ | | | 86 ± 0.3 | 65 ± 1.5 | |
| Positive Control ⁴ | 934 ± 12.8 | 937 ± 31.8 | | | |

Experiment Number: 005405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyl(2,4-dichlorophenoxy) acetate
CAS Number: 94-80-4

Date Report Requested: 09/14/2018

Time Report Requested: 00:38:43

Strain: TA1535

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 17 ± 0.3 |
| 0.3 | |
| 1.0 | |
| 3.3 | |
| 10.0 | |
| 33.0 | |
| 100.0 | 11 ± 2.3 |
| 333.0 | 19 ± 1.3 |
| 1000.0 | 15 ± 2.9 |
| 3333.0 | 12 ± 1.5 |
| 10000.0 | 14 ± 4.0 |
| Trial Summary | Negative |
| Positive Control ² | 60 ± 3.8 |
| Positive Control ³ | |
| Positive Control ⁴ | |

Experiment Number: 005405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyl(2,4-dichlorophenoxy) acetate
CAS Number: 94-80-4

Date Report Requested: 09/14/2018

Time Report Requested: 00:38:43

Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|----------------------|----------------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 5 ± 1.7 | 7 ± 0.9 | 7 ± 1.2 | 5 ± 2.2 | 9 ± 0.3 |
| 0.3 | | 5 ± 0.9 | | | |
| 1.0 | | 8 ± 2.3 | | | |
| 3.3 | 6 ± 0.7 | 6 ± 0.7 | | | |
| 10.0 | 4 ± 0.3 | 7 ± 1.2 | | | |
| 33.0 | 5 ± 1.5 ^s | 7 ± 1.8 ^s | | | |
| 100.0 | 2 ± 0.9 ^s | | 8 ± 3.8 | 5 ± 1.8 | 7 ± 1.9 |
| 333.0 | 3 ± 1.9 ^s | | 7 ± 2.0 | 7 ± 1.7 | 7 ± 1.8 |
| 1000.0 | | | 10 ± 0.9 | 8 ± 0.3 | 9 ± 2.3 |
| 3333.0 | | | 8 ± 0.3 | 6 ± 1.0 | 9 ± 0.3 |
| 10000.0 | | | 6 ± 2.0 | 4 ± 0.6 | 6 ± 0.3 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 60 ± 13.2 |
| Positive Control ³ | | | 125 ± 7.3 | 72 ± 7.3 | |
| Positive Control ⁵ | 401 ± 56.0 | 127 ± 45.5 | | | |

Experiment Number: 005405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyl(2,4-dichlorophenoxy) acetate
CAS Number: 94-80-4

Date Report Requested: 09/14/2018

Time Report Requested: 00:38:43

Strain: TA1537

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 11 ± 1.5 |
| 0.3 | |
| 1.0 | |
| 3.3 | |
| 10.0 | |
| 33.0 | |
| 100.0 | 7 ± 2.2 |
| 333.0 | 8 ± 1.8 |
| 1000.0 | 8 ± 0.9 |
| 3333.0 | 11 ± 2.6 |
| 10000.0 | 11 ± 3.2 |
| Trial Summary | Negative |
| Positive Control ² | 79 ± 1.3 |
| Positive Control ³ | |
| Positive Control ⁵ | |

Experiment Number: 005405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyl(2,4-dichlorophenoxy) acetate
CAS Number: 94-80-4

Date Report Requested: 09/14/2018

Time Report Requested: 00:38:43

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-----------------------|-------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 15 ± 0.7 | 14 ± 1.9 | 28 ± 2.7 | 32 ± 1.8 | 30 ± 2.6 |
| 0.3 | | 22 ± 2.0 | | | |
| 1.0 | | 17 ± 2.0 | | | |
| 3.3 | 18 ± 3.3 | 21 ± 2.9 | | | |
| 10.0 | 15 ± 0.7 | 16 ± 3.2 | | | |
| 33.0 | 14 ± 0.9 | 16 ± 1.7 | | | |
| 100.0 | 16 ± 4.0 | | 34 ± 4.4 | 30 ± 1.8 | 36 ± 4.5 |
| 333.0 | 15 ± 2.7 ^s | | 29 ± 1.3 | 37 ± 1.7 | 32 ± 2.2 |
| 1000.0 | | | 25 ± 1.8 | 29 ± 0.6 | 37 ± 2.8 |
| 3333.0 | | | 30 ± 1.2 | 28 ± 3.0 | 34 ± 2.4 |
| 10000.0 | | | 29 ± 5.2 | 26 ± 1.2 | 31 ± 1.7 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 479 ± 56.8 |
| Positive Control ³ | | | 1452 ± 30.2 | 861 ± 24.8 | |
| Positive Control ⁶ | 1317 ± 21.6 | 1567 ± 77.3 | | | |

Experiment Number: 005405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyl(2,4-dichlorophenoxy) acetate
CAS Number: 94-80-4

Date Report Requested: 09/14/2018

Time Report Requested: 00:38:43

Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 34 ± 1.7 |
| 0.3 | |
| 1.0 | |
| 3.3 | |
| 10.0 | |
| 33.0 | |
| 100.0 | 35 ± 2.5 |
| 333.0 | 29 ± 1.0 |
| 1000.0 | 30 ± 3.2 |
| 3333.0 | 29 ± 3.8 |
| 10000.0 | 32 ± 2.7 |
| Trial Summary | Negative |
| Positive Control ² | 890 ± 20.3 |
| Positive Control ³ | |
| Positive Control ⁶ | |

Experiment Number: 005405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyl(2,4-dichlorophenoxy) acetate

CAS Number: 94-80-4

Date Report Requested: 09/14/2018

Time Report Requested: 00:38:43

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

s: Slight Toxicity

**** END OF REPORT ****