Experiment Number: **737370**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trichlorophenoxyacetic acid**

CAS Number: **93-76-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **05:24:35**

NTP Study Number: 737370

Study Result: Negative

Experiment Number: **737370**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trichlorophenoxyacetic acid**

CAS Number: **93-76-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **05:24:35**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	106 ± 4.7	107 ± 4.2	108 ± 7.9	94 ± 3.7	100 ± 4.9
33.3	89 ± 10.6				
100.0	94 ± 3.8	90 ± 6.2	83 ± 9.3	92 ± 3.8	109 ± 10.7
333.3	96 ± 4.6	83 ± 9.4	93 ± 6.8	95 ± 8.5	97 ± 6.7
1000.0	95 ± 10.0	92 ± 2.3	90 ± 8.4	91 ± 4.0	102 ± 4.3
3333.3	78 ± 5.2	69 ± 10.9	57 ± 2.6	53 ± 5.9[s]	82 ± 9.7
10000.0		0 ± 0.0[s]	18 ± 6.2	0 ± 0.0[s]	59 ± 10.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			1214 ± 55.4	807 ± 30.1	1423 ± 23.4
Positive Control[3]	457 ± 14.6	350 ± 23.3			

Experiment Number: **737370**

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G06: Ames Summary Data

Test Compound: **2,4,5-Trichlorophenoxyacetic acid**

CAS Number: **93-76-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **05:24:35**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	78 ± 5.8
33.3	
100.0	89 ± 4.9
333.3	84 ± 2.8
1000.0	71 ± 8.7
3333.3	38 ± 2.9
10000.0	2 ± 2.3[s]
Trial Summary	Negative
Positive Control[2]	1991 ± 73.8
Positive Control[3]	

Experiment Number: **737370**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trichlorophenoxyacetic acid**

CAS Number: **93-76-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **05:24:35**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	19 ± 2.6	13 ± 3.0	9 ± 0.3	7 ± 1.3	11 ± 1.5
33.3	24 ± 3.0				
100.0	19 ± 0.9	4 ± 2.3	9 ± 1.5	6 ± 1.3	11 ± 1.0
333.3	14 ± 2.5	6 ± 1.5	10 ± 1.5	6 ± 1.2	12 ± 1.2
1000.0	16 ± 2.1	10 ± 2.0	8 ± 2.0	5 ± 0.7	11 ± 1.2
3333.3	14 ± 2.2	9 ± 1.8	7 ± 1.7	3 ± 0.0	7 ± 1.2
10000.0		1 ± 0.7[s]	10 ± 1.3	1 ± 1.3[s]	7 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]	385 ± 21.5	353 ± 18.9			
Positive Control[4]			479 ± 17.8	288 ± 21.2	513 ± 5.8

Experiment Number: **737370**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trichlorophenoxyacetic acid**

CAS Number: **93-76-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **05:24:35**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 2.7
33.3	
100.0	5 ± 0.6
333.3	6 ± 0.6
1000.0	6 ± 1.2
3333.3	4 ± 0.3
10000.0	1 ± 0.7[s]
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	413 ± 24.4

Experiment Number: **737370**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trichlorophenoxyacetic acid**

CAS Number: **93-76-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **05:24:35**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.2	3 ± 0.9	24 ± 3.4	6 ± 1.5	29 ± 8.0
33.3	11 ± 0.9				
100.0	9 ± 0.9	5 ± 0.3	19 ± 3.6	7 ± 1.2	30 ± 0.3
333.3	10 ± 0.6	4 ± 0.3	9 ± 2.7	4 ± 0.9	25 ± 2.5
1000.0	10 ± 1.5	3 ± 0.3	14 ± 2.0	4 ± 0.3	29 ± 0.7
3333.3	4 ± 1.9	5 ± 1.2	6 ± 0.3	3 ± 1.2	15 ± 0.6
10000.0		1 ± 1.0[s]	1 ± 0.6	0 ± 0.0[s]	8 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			409 ± 15.6	189 ± 15.9	363 ± 32.1
Positive Control[5]	251 ± 29.2	164 ± 42.6			

Experiment Number: **737370**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trichlorophenoxyacetic acid**

CAS Number: **93-76-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **05:24:35**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	5 ± 1.2
33.3	
100.0	6 ± 0.0
333.3	4 ± 0.7
1000.0	4 ± 1.2
3333.3	4 ± 1.0
10000.0	0 ± 0.0[s]
Trial Summary	Negative
Positive Control[4]	397 ± 37.6
Positive Control[5]	

Experiment Number: **737370**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trichlorophenoxyacetic acid**

CAS Number: **93-76-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **05:24:35**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	26 ± 3.6	20 ± 2.7	58 ± 4.2	30 ± 1.7	55 ± 7.1
33.3	31 ± 2.6				
100.0	37 ± 8.9	31 ± 3.2	57 ± 8.8	32 ± 2.5	50 ± 9.9
333.3	37 ± 2.1	26 ± 3.9	58 ± 3.8	34 ± 6.6	44 ± 3.5
1000.0	32 ± 3.8	26 ± 0.7	58 ± 4.8	28 ± 1.2	46 ± 7.1
3333.3	35 ± 4.2	19 ± 0.6	51 ± 3.0	12 ± 1.8	36 ± 3.8
10000.0		3 ± 1.7[s]	38 ± 3.2	3 ± 1.7[s]	35 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			440 ± 27.3	584 ± 14.2	1513 ± 57.8
Positive Control[6]	681 ± 18.0	784 ± 38.8			

Experiment Number: **737370**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trichlorophenoxyacetic acid**

CAS Number: **93-76-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **05:24:35**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	31 ± 0.9
33.3	
100.0	32 ± 2.6
333.3	27 ± 1.7
1000.0	34 ± 2.1
3333.3	26 ± 4.3
10000.0	13 ± 7.8[s]
Trial Summary	Negative
Positive Control[2]	1664 ± 90.1
Positive Control[6]	

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: 1.0 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate Sodium Azide
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **