

Experiment Number: 551405

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

G06: Ames Summary Data

Test Compound: **2,4,6-Trichloroaniline**

CAS Number: **634-93-5**

Date Report Requested: **09/13/2018**

Time Report Requested: **17:58:09**

NTP Study Number:

551405

Study Result:

Equivocal

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Strain: TA100

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	166 ± 7.4	125 ± 17.5	110 ± 12.2	164 ± 7.2	125 ± 7.5
1.0	148 ± 4.7				
3.0	139 ± 4.6				
10.0	144 ± 9.3	138 ± 5.2	136 ± 5.5		128 ± 8.1
33.0	128 ± 2.8	143 ± 4.7	150 ± 11.8	192 ± 11.3	119 ± 10.8
66.0	89 ± 0.9				
100.0		111 ± 11.7	140 ± 7.5	164 ± 7.5	129 ± 0.3
166.0					
333.0		114 ± 4.0	138 ± 14.0	156 ± 3.7	104 ± 9.8
666.0					
1000.0		64 ± 28.8 ^s	54 ± 15.4 ^s	151 ± 7.5	91 ± 1.2 ^s
3333.0				9 ± 0.9 ^s	
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²					
Positive Control ³		736 ± 59.5	528 ± 37.7		
Positive Control ⁴	317 ± 9.3				
Positive Control ⁵				627 ± 22.6	418 ± 33.3

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Strain: TA100

Dose (ug/Plate)	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	113 ± 13.3	120 ± 5.9	147 ± 8.3	100 ± 3.7	116 ± 4.1
1.0					
3.0					
10.0	108 ± 7.5	125 ± 13.4		106 ± 3.7	139 ± 6.2
33.0	138 ± 8.1	126 ± 9.0	168 ± 3.0	136 ± 3.5	149 ± 7.5
66.0					
100.0	141 ± 4.5	152 ± 3.5	174 ± 16.5	150 ± 1.3	159 ± 9.5
166.0					154 ± 16.1
333.0	125 ± 5.5	135 ± 8.7	203 ± 9.8	168 ± 4.4	147 ± 12.1
666.0					147 ± 5.6
1000.0	65 ± 28.4 ^s	136 ± 12.6	179 ± 4.5	160 ± 3.3	127 ± 22.0
3333.0			47 ± 14.6		
Trial Summary	Negative	Negative	Equivocal	Weakly Positive	Equivocal
Positive Control ²	707 ± 127.4	404 ± 9.8			
Positive Control ³			645 ± 37.1	374 ± 19.3	396 ± 20.3
Positive Control ⁴					
Positive Control ⁵					

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 0.0
10.0	12 ± 1.7
33.0	13 ± 1.7
100.0	10 ± 1.2
166.0	9 ± 2.2
333.0	8 ± 1.3
666.0	9 ± 0.3
1000.0	10 ± 1.8
Trial Summary	Negative
Positive Control ⁵	307 ± 15.8

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Mutagenicity**G06: Ames Summary Data**

Test Compound: 2,4,6-Trichloroaniline

CAS Number: 634-93-5

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	23 ± 3.7	30 ± 3.5	31 ± 3.0
1.0	20 ± 1.9		
3.0	25 ± 6.0		
10.0	23 ± 1.8		
33.0	17 ± 1.2	34 ± 2.5	42 ± 3.5
66.0	18 ± 1.8		
100.0		28 ± 2.6	33 ± 2.6
333.0		30 ± 0.9	33 ± 2.6
1000.0		25 ± 5.7	31 ± 4.3
3333.0		12 ± 2.9	7 ± 2.6 ⁵
Trial Summary	Negative	Negative	Negative
Positive Control ³		192 ± 3.2	489 ± 16.0
Positive Control ⁶	474 ± 22.1		

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****