

Experiment Number: 012412

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2',3',4'-Trichloroacetophenone

CAS Number: 13608-87-2

Date Report Requested: 09/14/2018

Time Report Requested: 06:33:31

**NTP Study Number:**

012412

**Study Result:**

Positive

Experiment Number: 012412

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## G06: Ames Summary Data

Test Compound: 2',3',4'-Trichloroacetophenone  
CAS Number: 13608-87-2

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	115 ± 10.5	134 ± 1.5	187 ± 5.7	147 ± 8.4	149 ± 5.5
1.0	124 ± 9.1				
3.3	124 ± 9.4		254 ± 2.3	161 ± 10.2	
10.0	124 ± 2.2		295 ± 22.1	187 ± 13.4	
20.0			389 ± 13.5	228 ± 19.3	
33.0	121 ± 2.8	376 ± 28.6	456 ± 11.8	252 ± 26.8	157 ± 8.0
100.0	0 ± 0.3 <sup>s</sup>	343 ± 12.2	423 ± 10.5	268 ± 4.6	316 ± 14.1
150.0					
200.0		228 ± 20.4			537 ± 4.5
333.0		6 ± 1.5 <sup>s</sup>			440 ± 8.5 <sup>s</sup>
500.0		0 ± 0.0 <sup>s</sup>			1 ± 0.6 <sup>s</sup>
Trial Summary	Negative	Positive	Positive	Weakly Positive	Positive
Positive Control <sup>2</sup>	375 ± 6.8				
Positive Control <sup>3</sup>					641 ± 7.9
Positive Control <sup>4</sup>		1111 ± 8.4	663 ± 44.2	571 ± 30.8	

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	176 ± 8.3
1.0	
3.3	
10.0	
20.0	
33.0	197 ± 3.2
100.0	303 ± 16.8
150.0	447 ± 62.6
200.0	482 ± 5.3
333.0	209 ± 8.3 <sup>s</sup>
500.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	721 ± 29.6
Positive Control <sup>4</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 0.3	25 ± 4.5	33 ± 0.9	21 ± 1.7	28 ± 2.6
1.0	22 ± 2.0				
3.3	18 ± 0.7		28 ± 2.9		
10.0	21 ± 2.3		39 ± 2.1		
20.0			37 ± 4.5		
33.0	17 ± 2.6	43 ± 2.2	42 ± 1.3	23 ± 2.6	36 ± 3.2
100.0	2 ± 1.2 <sup>s</sup>	34 ± 3.0	53 ± 8.7	37 ± 5.0	43 ± 3.0
150.0					52 ± 6.1
200.0		21 ± 1.7		60 ± 13.8	81 ± 0.9
333.0		0 ± 0.0 <sup>s</sup>		63 ± 1.8	46 ± 3.4
500.0		0 ± 0.0 <sup>s</sup>		12 ± 2.3 <sup>s</sup>	
Trial Summary	Negative	Equivocal	Equivocal	Positive	Positive
Positive Control <sup>3</sup>		508 ± 5.9	410 ± 23.3	550 ± 13.0	740 ± 16.8
Positive Control <sup>5</sup>	300 ± 9.6				

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**LEGEND**

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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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**\*\* END OF REPORT \*\***