

Experiment Number: 779144

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

**G06: Ames Summary Data**

Test Compound: **Propylene**

CAS Number: **115-07-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **01:01:56**

**NTP Study Number:**

779144

**Study Result:**

Positive

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Mutagenicity****G06: Ames Summary Data**Test Compound: **Propylene**

CAS Number: 115-07-1

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**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	97 ± 12.7	98 ± 3.5	96 ± 7.1	109 ± 4.4
0.002	110 ± 12.8	128 ± 1.9	130 ± 3.3	185 ± 6.7
0.004				178 ± 7.5
0.007	122 ± 2.6	115 ± 6.6	156 ± 6.3	197 ± 7.3
0.011				186 ± 1.2
0.013	122 ± 6.6	128 ± 2.4	144 ± 4.0	184 ± 6.0
0.02	110 ± 8.5	111 ± 3.6	128 ± 3.3	
0.027	98 ± 9.1	90 ± 3.5	113 ± 2.1	
Trial Summary	Negative	Negative	Equivocal	Weakly Positive
Positive Control <sup>2</sup>	622 ± 17.9			
Positive Control <sup>3</sup>			929 ± 47.2	435 ± 18.4
Positive Control <sup>4</sup>		1127 ± 34.8		

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## G06: Ames Summary Data

Test Compound: Propylene

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	6 ± 0.3	7 ± 1.5	12 ± 1.0	9 ± 1.7	10 ± 0.9
0.001		19 ± 1.0		26 ± 2.9	
0.002	44 ± 1.8	17 ± 4.3	59 ± 5.8	22 ± 3.5	75 ± 3.8
0.003		20 ± 0.6		35 ± 3.2	
0.007	43 ± 2.0	22 ± 5.2	88 ± 2.7	30 ± 1.2	90 ± 3.8
0.011	58 ± 1.0		78 ± 4.4		86 ± 7.0
0.013	61 ± 3.4	25 ± 1.3	84 ± 2.0	38 ± 3.7	98 ± 5.5
0.027	63 ± 2.2		88 ± 3.4		92 ± 11.7
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	243 ± 13.0	200 ± 3.8			
Positive Control <sup>3</sup>					69 ± 3.8
Positive Control <sup>4</sup>			162 ± 19.3	66 ± 6.0	

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 2.6
0.001	25 ± 2.0
0.002	28 ± 3.8
0.003	36 ± 1.8
0.007	37 ± 1.2
0.011	
0.013	42 ± 3.4
0.027	
Trial Summary	Positive
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	47 ± 5.6

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	138 ± 10.5	163 ± 15.3	149 ± 5.5
0.002	131 ± 7.0	160 ± 3.8	158 ± 12.3
0.007	98 ± 3.4	180 ± 5.5	144 ± 6.7
0.011	110 ± 5.8	163 ± 5.0	155 ± 1.2
0.013	124 ± 11.9	168 ± 3.2	140 ± 11.7
0.027	107 ± 17.7	194 ± 7.5	114 ± 9.3
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>		859 ± 18.5	889 ± 26.4
Positive Control <sup>5</sup>	379 ± 4.7		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	12 ± 0.6	15 ± 4.4	20 ± 3.2
0.002	13 ± 1.9	13 ± 1.3	17 ± 3.1
0.007	11 ± 2.8	18 ± 0.6	13 ± 2.6
0.013	9 ± 1.9	16 ± 2.0	17 ± 2.5
0.02	17 ± 2.1	15 ± 2.3	18 ± 3.1
0.027	11 ± 0.9	18 ± 3.8	9 ± 1.7
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>		559 ± 6.8	658 ± 25.6
Positive Control <sup>6</sup>	371 ± 8.1		

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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: Air

2: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 24.0 ug/Plate 9-Aminoacridine

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

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