Experiment Number: **198027**

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

G06: Ames Summary Data

Test Compound: **Allyl nonanoate**

CAS Number: **7493-72-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:24:58**

NTP Study Number: 198027

Study Result: Negative

Experiment Number: **198027**

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

G06: Ames Summary Data

Test Compound: **Allyl nonanoate**

CAS Number: **7493-72-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:24:58**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	Without S9	With 10% Rat S9
Vehicle Control[1]	136 ± 14.7	134 ± 10.9	129 ± 6.9	112 ± 11.7	133 ± 7.2
0.001			121 ± 7.1		
0.003			131 ± 7.3	106 ± 7.3	
0.01			139 ± 0.7	95 ± 4.0	
0.03		150 ± 9.3	135 ± 2.9	106 ± 6.0	
0.1		97 ± 4.7	139 ± 3.3	116 ± 11.9	
0.3		71 ± 5.4[s]		107 ± 6.5	
0.33	132 ± 6.4				
1.0	82 ± 2.1	75 ± 5.5[s]			
3.3	88 ± 1.2	69 ± 7.8[s]			114 ± 6.9
10.0	92 ± 1.0[s]				98 ± 5.5
33.0	64 ± 5.7[s]				105 ± 8.8
100.0					100 ± 3.2
333.0					70 ± 2.1
1000.0					
3333.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]	416 ± 22.9	572 ± 3.2	444 ± 29.3	457 ± 2.2	
Positive Control[4]					878 ± 14.4
Positive Control[5]					
Positive Control[6]					

Experiment Number: **198027**

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Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	131 ± 5.6	140 ± 3.4	116 ± 12.3	114 ± 11.2	142 ± 5.8
0.001					
0.003					
0.01					
0.03					
0.1					
0.3					
0.33					
1.0					
3.3		150 ± 7.5	109 ± 3.1		128 ± 3.8
10.0		150 ± 9.5	109 ± 4.7		138 ± 11.3
33.0	109 ± 9.6	161 ± 5.6	112 ± 6.0	115 ± 7.5	143 ± 7.0
100.0	100 ± 0.7	148 ± 4.6	83 ± 0.9	107 ± 8.9	143 ± 5.4
333.0	69 ± 10.5	161 ± 4.1	72 ± 7.6	79 ± 6.6	133 ± 8.5
1000.0	12 ± 1.9[s]			Toxic	
3333.0	Toxic			Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			320 ± 26.1		
Positive Control[3]					
Positive Control[4]					
Positive Control[5]				430 ± 21.8	546 ± 8.5
Positive Control[6]	630 ± 7.6	553 ± 7.5			

Experiment Number: **198027**

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

G06: Ames Summary Data

Test Compound: **Allyl nonanoate**

CAS Number: **7493-72-3**

Date Report Requested: **09/14/2018**

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	13 ± 1.2	12 ± 0.9	11 ± 1.8	12 ± 2.6	13 ± 0.9
3.3	7 ± 0.9	11 ± 1.5			
10.0	7 ± 0.7	11 ± 1.7	7 ± 0.9	8 ± 0.3	
33.0	6 ± 1.2	10 ± 1.5	7 ± 1.5	13 ± 3.5	
100.0	9 ± 4.1	8 ± 1.5	6 ± 1.5	7 ± 1.3	9 ± 1.8
333.0	8 ± 3.8	10 ± 0.7[s]	6 ± 1.8	8 ± 0.6	11 ± 0.9
1000.0			4 ± 0.9	5 ± 0.6	4 ± 0.7
3333.0					Toxic
10000.0					Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					53 ± 3.5
Positive Control[3]	244 ± 2.6	375 ± 28.0			
Positive Control[5]					
Positive Control[6]			126 ± 4.3	122 ± 9.9	

Experiment Number: **198027**

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

G06: Ames Summary Data

Test Compound: **Allyl nonanoate**

CAS Number: **7493-72-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:24:58**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	10 ± 3.8	11 ± 0.3	10 ± 1.7
3.3	11 ± 2.4		
10.0	9 ± 0.7	13 ± 0.9	
33.0	8 ± 0.9	15 ± 2.1	
100.0	10 ± 2.0	12 ± 0.9	19 ± 5.4
333.0	8 ± 1.5	17 ± 1.2	22 ± 2.3
1000.0		12 ± 3.0	14 ± 2.3
3333.0			Toxic
10000.0			Toxic
Trial Summary	Negative	Negative	Equivocal
Positive Control[2]	35 ± 3.3		
Positive Control[3]			
Positive Control[5]		65 ± 2.3	51 ± 3.0
Positive Control[6]			

Experiment Number: **198027**

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

G06: Ames Summary Data

Test Compound: **Allyl nonanoate**

CAS Number: **7493-72-3**

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Time Report Requested: **08:24:58**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]	240 ± 9.2	144 ± 2.2	174 ± 9.4	158 ± 2.2	217 ± 4.3
0.3			147 ± 11.3		
1.0			141 ± 11.9		
3.3	213 ± 12.7	138 ± 6.1	132 ± 13.1		
10.0	185 ± 13.7	117 ± 9.6	120 ± 6.4	169 ± 3.8	219 ± 11.6
33.0	148 ± 24.3	77 ± 8.8[s]	108 ± 13.7	157 ± 3.2	206 ± 16.8
100.0	133 ± 5.5	81 ± 7.2[s]		138 ± 3.2	203 ± 13.4
333.0	143 ± 7.5	77 ± 4.1[s]		87 ± 2.7	175 ± 7.1
1000.0				7 ± 3.8	48 ± 8.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					
Positive Control[6]				1015 ± 14.9	606 ± 8.4
Positive Control[7]	624 ± 45.2	404 ± 3.7	355 ± 11.1		

Experiment Number: **198027**

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

G06: Ames Summary Data

Test Compound: **Allyl nonanoate**

CAS Number: **7493-72-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:24:58**

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	137 ± 7.0	239 ± 16.2
0.3		
1.0		
3.3		
10.0	114 ± 9.3	283 ± 3.8
33.0	170 ± 6.1	268 ± 8.6
100.0	152 ± 5.0	222 ± 19.5
333.0	107 ± 9.3	184 ± 3.5
1000.0	6 ± 3.1	91 ± 8.6
Trial Summary	Negative	Negative
Positive Control[4]	795 ± 32.0	
Positive Control[6]		776 ± 30.6
Positive Control[7]		

Experiment Number: **198027**

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

G06: Ames Summary Data

Test Compound: **Allyl nonanoate**

CAS Number: **7493-72-3**

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Time Report Requested: **08:24:58**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	16 ± 2.9	16 ± 3.2	18 ± 3.8	21 ± 2.0	13 ± 0.3
0.33	12 ± 1.5				
1.0	16 ± 2.3				
3.3	12 ± 2.3	15 ± 2.0	18 ± 2.1	25 ± 1.0	
10.0	15 ± 0.7	13 ± 1.5	17 ± 0.9	27 ± 3.5	
33.0	11 ± 1.2	15 ± 1.7	16 ± 2.3	23 ± 1.8	
100.0		10 ± 1.2	19 ± 4.7	22 ± 2.3	13 ± 0.0
333.0		11 ± 1.8	12 ± 1.5	20 ± 1.8	11 ± 2.6
1000.0					2 ± 1.0
3333.0					0 ± 0.0[p]
10000.0					0 ± 0.0[x]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]				256 ± 10.0	103 ± 7.7
Positive Control[5]					
Positive Control[8]	332 ± 13.6	284 ± 8.1	221 ± 9.6		

Experiment Number: **198027**

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

G06: Ames Summary Data

Test Compound: **Allyl nonanoate**

CAS Number: **7493-72-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:24:58**

Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	25 ± 1.5	26 ± 3.8	28 ± 3.0	25 ± 2.1	29 ± 0.7
0.33					
1.0					
3.3		30 ± 2.6	19 ± 0.9		34 ± 7.7
10.0		29 ± 5.3	27 ± 1.2		28 ± 2.6
33.0	19 ± 2.6	32 ± 4.1	21 ± 0.3	24 ± 1.5	24 ± 2.7
100.0	13 ± 2.1	22 ± 3.7	19 ± 4.0	20 ± 2.3	25 ± 3.8
333.0	14 ± 2.6	24 ± 3.1	12 ± 3.3	15 ± 3.0	32 ± 1.5
1000.0	Toxic			Toxic	
3333.0	Toxic			Toxic	
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			223 ± 22.6		
Positive Control[5]	358 ± 26.9	235 ± 26.1		430 ± 51.1	562 ± 18.2
Positive Control[8]					

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: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 2.0 ug/Plate 2-Aminoanthracene
7: 24.0 ug/Plate 9-Aminoacridine
8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate
s: Slight Toxicity
x: Slight Toxicity and Precipitate

** END OF REPORT **