Experiment Number: **362601**

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

G06: Ames Summary Data

Test Compound: **Caprylyl chloride**

CAS Number: **111-64-8**

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

Time Report Requested: **20:37:17**

NTP Study Number: 362601

Study Result: Positive

Experiment Number: **362601**

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

G06: Ames Summary Data

Test Compound: **Caprylyl chloride**

CAS Number: **111-64-8**

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

Time Report Requested: **20:37:17**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	150 ± 8.2	130 ± 7.2	152 ± 7.8	144 ± 5.5	123 ± 6.8
10.0	160 ± 3.8	145 ± 7.1	152 ± 12.9	151 ± 3.7	133 ± 5.6
33.0	179 ± 10.8	139 ± 6.4	139 ± 2.0	161 ± 3.5	142 ± 4.8
66.0		158 ± 3.3			
100.0	202 ± 7.3	143 ± 9.0	185 ± 4.3	200 ± 6.6	143 ± 4.5
166.0		99 ± 7.5	190 ± 16.0	221 ± 4.5	152 ± 8.1
333.0	1 ± 1.3[s]		230 ± 22.0	250 ± 19.5	231 ± 9.4
666.0	Toxic				
1000.0					
1666.0					
Trial Summary	Equivocal	Negative	Weakly Positive	Weakly Positive	Equivocal
Positive Control[2]					
Positive Control[3]			763 ± 30.1	563 ± 36.8	406 ± 7.3
Positive Control[4]	425 ± 16.3	423 ± 4.3			
Positive Control[5]					

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Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 5% Hamster S9
Vehicle Control[1]	157 ± 4.6	114 ± 6.4	165 ± 7.8	154 ± 4.5	135 ± 5.4
10.0		129 ± 7.8	146 ± 13.9		
33.0		142 ± 12.2	156 ± 22.6	165 ± 10.1	157 ± 8.3
66.0					
100.0	198 ± 1.7	162 ± 11.5	157 ± 4.5	180 ± 4.7	147 ± 3.8
166.0		195 ± 5.7	169 ± 3.5		
333.0	229 ± 1.3	176 ± 1.9	248 ± 6.9	272 ± 16.8	207 ± 10.2
666.0	169 ± 16.6			321 ± 16.4	290 ± 32.8
1000.0	103 ± 4.8[x]			249 ± 34.3[x]	288 ± 31.5
1666.0	1 ± 0.3[x]				
Trial Summary	Equivocal	Weakly Positive	Equivocal	Positive	Positive
Positive Control[2]				865 ± 24.8	1340 ± 36.1
Positive Control[3]					
Positive Control[4]					
Positive Control[5]	542 ± 31.3	515 ± 6.6	570 ± 39.2		

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	149 ± 19.0	116 ± 4.2	138 ± 6.8	147 ± 11.3
10.0				
33.0	166 ± 4.8		160 ± 1.0	145 ± 7.3
66.0				
100.0	182 ± 2.6	170 ± 4.9	149 ± 5.8	169 ± 6.4
166.0				
333.0	276 ± 7.2	248 ± 13.2	195 ± 13.7	228 ± 3.3
666.0	290 ± 20.7	286 ± 13.5	189 ± 2.5	293 ± 3.7
1000.0	172 ± 33.6[x]	99 ± 18.3[x]	181 ± 14.2[p]	184 ± 35.1[x]
1666.0		9 ± 4.5[x]		
Trial Summary	Weakly Positive	Positive	Equivocal	Weakly Positive
Positive Control[2]	845 ± 38.4			
Positive Control[3]		756 ± 60.6	660 ± 44.1	721 ± 18.8
Positive Control[4]				
Positive Control[5]				

Experiment Number: **362601**

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

G06: Ames Summary Data

Test Compound: **Caprylyl chloride**

CAS Number: **111-64-8**

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

Time Report Requested: **20:37:17**

Strain: TA1535

Dose (ug/Plate)	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	10 ± 1.8	12 ± 0.0	19 ± 0.9	7 ± 1.8	11 ± 2.3
10.0	9 ± 0.9	11 ± 1.8	12 ± 2.3	9 ± 1.2	7 ± 1.3
33.0	7 ± 1.5	13 ± 1.0	14 ± 0.3	9 ± 0.9	11 ± 1.9
100.0	10 ± 1.2	8 ± 0.7	15 ± 1.9	7 ± 1.3	11 ± 0.7
333.0	6 ± 1.7	13 ± 0.5	10 ± 2.0	15 ± 3.7	8 ± 2.0
1000.0	9 ± 2.2[p]	6 ± 0.9[p]	10 ± 1.3[p]	8 ± 3.5[p]	6 ± 0.9[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]				171 ± 8.9	142 ± 2.6
Positive Control[5]	134 ± 5.2	78 ± 2.8			
Positive Control[6]			103 ± 13.9		

Experiment Number: **362601**

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

G06: Ames Summary Data

Test Compound: **Caprylyl chloride**

CAS Number: **111-64-8**

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

Time Report Requested: **20:37:17**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	12 ± 1.5
10.0	13 ± 2.0
33.0	7 ± 1.5
100.0	14 ± 0.9
333.0	11 ± 3.0
1000.0	9 ± 1.2[p]
Trial Summary	Negative
Positive Control[3]	
Positive Control[5]	285 ± 20.4
Positive Control[6]	

Experiment Number: **362601**

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

G06: Ames Summary Data

Test Compound: **Caprylyl chloride**

CAS Number: **111-64-8**

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

Time Report Requested: **20:37:17**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	23 ± 2.7	13 ± 0.9	43 ± 3.8	41 ± 1.5	33 ± 2.0
3.0		13 ± 2.4			
10.0	27 ± 1.8	15 ± 1.8			
33.0	25 ± 1.3	15 ± 1.2		41 ± 4.9	
100.0	29 ± 1.3	16 ± 2.0	41 ± 5.8	45 ± 3.8	35 ± 7.0
333.0	12 ± 3.0	0 ± 0.0[s]	46 ± 3.5	45 ± 4.6	27 ± 1.9
666.0	0 ± 0.0[s]		46 ± 3.8	31 ± 1.3	26 ± 0.7
1000.0			6 ± 3.3[x]	12 ± 1.2[x]	17 ± 2.0[p]
1666.0			0 ± 0.0[x]		3 ± 1.7[x]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]			151 ± 12.5	146 ± 18.7	427 ± 40.4
Positive Control[7]	510 ± 1.5	479 ± 19.6			

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: 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: 5.0 ug/Plate 2-Aminoanthracene
7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate
s: Slight Toxicity
x: Slight Toxicity and Precipitate

** END OF REPORT **