Experiment Number: **938596**

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

G06: Ames Summary Data

Test Compound: **Lauryl glycidyl ether**

CAS Number: **2461-18-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **12:15:34**

NTP Study Number: 938596

Study Result: Negative

Experiment Number: **938596**

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

G06: Ames Summary Data

Test Compound: **Lauryl glycidyl ether**

CAS Number: **2461-18-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **12:15:34**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	122 ± 6.7	121 ± 14.5	135 ± 11.1	133 ± 2.2	148 ± 9.9
3.0				135 ± 2.7	
10.0	102 ± 2.0	113 ± 0.6	136 ± 17.6	145 ± 5.1	137 ± 18.1
33.0	118 ± 9.2	103 ± 3.9	147 ± 11.2	133 ± 2.2	136 ± 11.3
100.0	122 ± 8.2	113 ± 7.6	125 ± 6.7	124 ± 20.5	128 ± 5.2
166.0				134 ± 3.8	
333.0	100 ± 2.7	106 ± 5.7	63 ± 8.1		105 ± 10.3
666.0	107 ± 3.2	86 ± 4.6	9 ± 2.3		38 ± 15.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					683 ± 31.0
Positive Control[3]	422 ± 9.1	517 ± 0.7			
Positive Control[4]			445 ± 9.2	350 ± 15.3	

Experiment Number: **938596**

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Date Report Requested: **09/17/2018**

Time Report Requested: **12:15:34**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	151 ± 5.5
3.0	148 ± 4.3
10.0	140 ± 5.8
33.0	150 ± 6.9
100.0	158 ± 9.0
166.0	
333.0	142 ± 6.4
666.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	411 ± 21.2

Experiment Number: **938596**

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

G06: Ames Summary Data

Test Compound: **Lauryl glycidyl ether**

CAS Number: **2461-18-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **12:15:34**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	22 ± 1.2	26 ± 2.0	15 ± 0.9	18 ± 1.7	7 ± 1.5
10.0	12 ± 2.4	31 ± 5.7	8 ± 0.9	18 ± 2.5	7 ± 0.7
33.0	14 ± 1.3	29 ± 3.7	8 ± 0.9	19 ± 0.3	10 ± 1.3
100.0	15 ± 2.3	28 ± 1.5	10 ± 2.4	16 ± 1.5	8 ± 0.7
333.0	16 ± 4.3	32 ± 2.3	10 ± 1.2	18 ± 0.3	11 ± 2.0
666.0	12 ± 1.8	29 ± 2.6	7 ± 1.5	19 ± 3.2	6 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					333 ± 31.3
Positive Control[3]	434 ± 11.3	413 ± 11.4			
Positive Control[5]			158 ± 7.4	86 ± 0.9	

Experiment Number: **938596**

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

G06: Ames Summary Data

Test Compound: **Lauryl glycidyl ether**

CAS Number: **2461-18-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **12:15:34**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	8 ± 0.7
10.0	12 ± 3.5
33.0	11 ± 3.3
100.0	11 ± 1.5
333.0	20 ± 3.2
666.0	22 ± 1.5
Trial Summary	Equivocal
Positive Control[4]	
Positive Control[3]	
Positive Control[5]	192 ± 15.2

Experiment Number: **938596**

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

G06: Ames Summary Data

Test Compound: **Lauryl glycidyl ether**

CAS Number: **2461-18-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **12:15:34**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	176 ± 6.7	158 ± 19.1	195 ± 8.2	189 ± 3.5	160 ± 11.5
3.0				178 ± 10.8	
10.0	172 ± 1.5	156 ± 3.8	192 ± 10.3	160 ± 11.6	184 ± 7.5
33.0	180 ± 10.6	176 ± 2.0	200 ± 4.1	187 ± 0.9	181 ± 8.4
100.0	184 ± 9.0	163 ± 9.3	133 ± 12.8	178 ± 5.2	187 ± 7.0
166.0				109 ± 37.1	
333.0	159 ± 23.7	97 ± 9.0	5 ± 1.7		126 ± 23.7
666.0	113 ± 13.1	42 ± 16.8	5 ± 0.3[s]		9 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					616 ± 15.5
Positive Control[4]			365 ± 17.8		
Positive Control[5]				408 ± 7.9	
Positive Control[6]	352 ± 22.5	455 ± 46.4			

Experiment Number: **938596**

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

G06: Ames Summary Data

Test Compound: **Lauryl glycidyl ether**

CAS Number: **2461-18-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **12:15:34**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	203 ± 3.9
3.0	181 ± 12.1
10.0	198 ± 8.2
33.0	190 ± 4.0
100.0	188 ± 6.1
166.0	
333.0	184 ± 8.2
666.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	356 ± 15.0
Positive Control[5]	
Positive Control[6]	

Experiment Number: **938596**

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

G06: Ames Summary Data

Test Compound: **Lauryl glycidyl ether**

CAS Number: **2461-18-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **12:15:34**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	20 ± 2.6	23 ± 2.6	31 ± 3.1	33 ± 1.2	27 ± 1.2
10.0	19 ± 0.6	19 ± 1.0	22 ± 1.8	28 ± 2.0	29 ± 5.9
33.0	20 ± 2.7	23 ± 2.7	28 ± 5.5	39 ± 4.4	29 ± 1.9
100.0	18 ± 0.9	24 ± 2.7	17 ± 2.0	33 ± 6.5	32 ± 3.1
333.0	16 ± 1.8	22 ± 1.7	15 ± 3.2	32 ± 0.7	27 ± 3.3
666.0	15 ± 0.6	17 ± 2.6	14 ± 1.7	32 ± 0.9	22 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					594 ± 51.4
Positive Control[4]			335 ± 6.6	136 ± 4.4	
Positive Control[7]	751 ± 2.0	906 ± 16.1			

Experiment Number: **938596**

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

G06: Ames Summary Data

Test Compound: **Lauryl glycidyl ether**

CAS Number: **2461-18-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **12:15:34**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	27 ± 4.6
10.0	38 ± 2.7
33.0	37 ± 3.4
100.0	34 ± 4.7
333.0	30 ± 1.5
666.0	34 ± 2.7
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	171 ± 21.7
Positive Control[7]	

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 Sodium Azide
4: 1.0 ug/Plate 2-Aminoanthracene
5: 2.5 ug/Plate 2-Aminoanthracene
6: 25.0 ug/Plate 9-Aminoacridine
7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **