Experiment Number: **460641**

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

G06: Ames Summary Data

Test Compound: **Carveol**

CAS Number: **99-48-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:41:13**

NTP Study Number: 460641

Study Result: Negative

Experiment Number: **460641**

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

G06: Ames Summary Data

Test Compound: **Carveol**

CAS Number: **99-48-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:41:13**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	120 ± 6.6	163 ± 20.2	124 ± 16.3	161 ± 8.9	140 ± 7.9
3.3	136 ± 7.5				
10.0	125 ± 2.7	145 ± 8.1	140 ± 5.5	151 ± 6.9	128 ± 0.6
33.0	133 ± 4.6	158 ± 9.4	130 ± 1.8	162 ± 0.3	137 ± 6.5
100.0	126 ± 3.7	163 ± 5.9	141 ± 17.1	160 ± 3.2	135 ± 3.0
333.0	136 ± 8.7[s]	161 ± 8.6[s]	136 ± 4.7	139 ± 9.9	122 ± 1.5
400.0		140 ± 4.1[s]			
560.0				133 ± 13.3[s]	
666.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					765 ± 39.3
Positive Control[3]			659 ± 27.2	1633 ± 101.3	
Positive Control[4]	1324 ± 42.7	1514 ± 79.1			

Experiment Number: **460641**

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

G06: Ames Summary Data

Test Compound: **Carveol**

CAS Number: **99-48-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:41:13**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	150 ± 7.1
3.3	
10.0	147 ± 2.8
33.0	151 ± 9.3
100.0	158 ± 1.5
333.0	146 ± 9.6
400.0	
560.0	129 ± 6.2[s]
666.0	
Trial Summary	Negative
Positive Control[2]	1170 ± 51.4
Positive Control[3]	
Positive Control[4]	

Experiment Number: **460641**

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

G06: Ames Summary Data

Test Compound: **Carveol**

CAS Number: **99-48-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:41:13**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	22 ± 3.3	31 ± 2.9	7 ± 3.2	8 ± 2.0	11 ± 1.5
3.3	27 ± 2.6				
10.0	22 ± 1.5	28 ± 1.2	8 ± 0.3	12 ± 1.3	8 ± 0.9
33.0	29 ± 3.6	27 ± 0.3	9 ± 2.7	8 ± 2.2	8 ± 2.2
100.0	25 ± 2.9	21 ± 3.5	10 ± 2.0	8 ± 3.3	13 ± 0.6
333.0	23 ± 2.2	21 ± 4.5	7 ± 1.7	8 ± 1.5	8 ± 2.1
400.0		24 ± 1.3[s]			
560.0				4 ± 1.5[s]	
666.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					73 ± 8.2
Positive Control[3]			53 ± 3.6	111 ± 7.0	
Positive Control[4]	1161 ± 31.8	1187 ± 103.4			

Experiment Number: **460641**

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

G06: Ames Summary Data

Test Compound: **Carveol**

CAS Number: **99-48-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:41:13**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	11 ± 0.3
3.3	
10.0	10 ± 1.2
33.0	8 ± 0.9
100.0	14 ± 1.2
333.0	14 ± 0.9
400.0	
560.0	7 ± 1.5[s]
666.0	
Trial Summary	Negative
Positive Control[2]	108 ± 8.5
Positive Control[3]	
Positive Control[4]	

Experiment Number: **460641**

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

G06: Ames Summary Data

Test Compound: **Carveol**

CAS Number: **99-48-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:41:13**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 0.7	4 ± 2.2	6 ± 1.5	9 ± 0.9	8 ± 1.5
3.3	7 ± 0.9				
10.0	7 ± 2.7	5 ± 1.0	6 ± 0.9	11 ± 1.3	6 ± 1.2
33.0	5 ± 0.3	6 ± 0.6	7 ± 1.5	10 ± 0.3	6 ± 2.1
100.0	7 ± 1.2	8 ± 1.2	8 ± 1.3	7 ± 3.0	9 ± 0.6
333.0	4 ± 0.6	7 ± 0.7	9 ± 2.5	9 ± 1.8	12 ± 3.1
400.0		6 ± 1.2[s]			
560.0				7 ± 1.2[s]	
666.0			4 ± 0.3[s]		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					59 ± 4.9
Positive Control[3]			44 ± 4.5	150 ± 6.7	
Positive Control[5]	224 ± 24.8	474 ± 25.4			

Experiment Number: **460641**

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

G06: Ames Summary Data

Test Compound: **Carveol**

CAS Number: **99-48-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:41:13**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	8 ± 1.5
3.3	
10.0	10 ± 2.5
33.0	12 ± 0.6
100.0	9 ± 1.3
333.0	11 ± 0.9
400.0	
560.0	8 ± 1.2[s]
666.0	
Trial Summary	Negative
Positive Control[2]	94 ± 6.2
Positive Control[3]	
Positive Control[5]	

Experiment Number: **460641**

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

G06: Ames Summary Data

Test Compound: **Carveol**

CAS Number: **99-48-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:41:13**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	19 ± 1.7	16 ± 1.8	21 ± 2.3	23 ± 2.4	27 ± 3.6
3.3	17 ± 4.0				
10.0	14 ± 0.0	21 ± 1.5	19 ± 1.0	25 ± 4.6	29 ± 1.9
33.0	16 ± 2.8	21 ± 5.4	26 ± 1.9	24 ± 2.4	26 ± 2.3
100.0	22 ± 2.2	18 ± 1.9	22 ± 1.8	22 ± 1.2	22 ± 3.6
333.0	14 ± 0.9	17 ± 1.8	23 ± 2.5	17 ± 3.1	24 ± 1.5
400.0		17 ± 2.9[s]			
560.0				24 ± 3.6[s]	
666.0			22 ± 2.3[s]		23 ± 2.1[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					824 ± 28.7
Positive Control[3]			649 ± 26.0	701 ± 60.9	
Positive Control[6]	1264 ± 7.8	1374 ± 29.5			

Experiment Number: **460641**

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

G06: Ames Summary Data

Test Compound: **Carveol**

CAS Number: **99-48-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:41:13**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	24 ± 3.7
3.3	
10.0	22 ± 1.8
33.0	26 ± 1.8
100.0	24 ± 3.5
333.0	26 ± 3.5
400.0	
560.0	24 ± 4.2[s]
666.0	
Trial Summary	Negative
Positive Control[2]	412 ± 35.6
Positive Control[3]	
Positive Control[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: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **