Experiment Number: **888968**

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

G06: Ames Summary Data

Test Compound: **2-Methylnaphthalene**

CAS Number: **91-57-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:28:47**

NTP Study Number: 888968

Study Result: Negative

Experiment Number: **888968**

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

G06: Ames Summary Data

Test Compound: **2-Methylnaphthalene**

CAS Number: **91-57-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:28:47**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	98 ± 4.4	101 ± 4.7	117 ± 4.2	115 ± 5.5	180 ± 7.0
0.3	89 ± 8.7	99 ± 10.2			
1.0	95 ± 3.0	106 ± 6.7	118 ± 6.7	112 ± 4.3	
3.3	97 ± 5.8	91 ± 7.5	109 ± 3.7	128 ± 3.5	
10.0	96 ± 3.8	98 ± 11.4	115 ± 8.3	122 ± 12.7	189 ± 8.4
20.0					201 ± 7.1
33.0	53 ± 4.5[s]	69 ± 11.3[s]	112 ± 3.6	161 ± 7.0	198 ± 4.0
50.0					191 ± 8.1
67.0					195 ± 4.3
100.0			93 ± 10.3[s]	111 ± 4.3	187 ± 17.5
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control[2]					
Positive Control[3]	510 ± 21.3	383 ± 15.5			
Positive Control[4]			1417 ± 25.5		
Positive Control[5]					
Positive Control[6]				954 ± 14.2	1095 ± 109.5

Experiment Number: **888968**

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Test Compound: **2-Methylnaphthalene**

CAS Number: **91-57-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:28:47**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	118 ± 5.4	102 ± 12.4
0.3		
1.0	99 ± 3.2	107 ± 4.7
3.3	112 ± 6.7	97 ± 8.7
10.0	108 ± 2.1	110 ± 2.2
20.0		
33.0	113 ± 5.4	116 ± 2.1
50.0		
67.0		
100.0	97 ± 5.2[s]	120 ± 3.4
Trial Summary	Negative	Negative
Positive Control[2]	523 ± 3.4	
Positive Control[3]		
Positive Control[4]		
Positive Control[5]		723 ± 20.0
Positive Control[6]		

Experiment Number: **888968**

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

G06: Ames Summary Data

Test Compound: **2-Methylnaphthalene**

CAS Number: **91-57-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:28:47**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	10 ± 0.9	7 ± 1.9	10 ± 1.2	13 ± 0.0	12 ± 1.5
0.3	9 ± 1.8	14 ± 3.3			
1.0	8 ± 1.7	12 ± 2.4	11 ± 1.9	11 ± 0.9	12 ± 0.7
3.3	8 ± 0.7	9 ± 1.2	12 ± 2.6	14 ± 1.9	12 ± 0.9
10.0	10 ± 0.6	10 ± 0.9	12 ± 1.5	13 ± 1.8	11 ± 2.7
33.0	6 ± 1.0[s]	14 ± 0.7[s]	9 ± 2.1	10 ± 2.6	14 ± 3.3
100.0			8 ± 0.9[s]	9 ± 0.7	9 ± 2.4[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					73 ± 3.2
Positive Control[3]	228 ± 20.6	687 ± 19.0			
Positive Control[6]			509 ± 18.5	129 ± 10.4	

Experiment Number: **888968**

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

G06: Ames Summary Data

Test Compound: **2-Methylnaphthalene**

CAS Number: **91-57-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:28:47**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	10 ± 2.4
0.3	
1.0	7 ± 0.9
3.3	9 ± 0.7
10.0	10 ± 0.9
33.0	10 ± 0.9
100.0	8 ± 1.0
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[6]	1003 ± 34.4

Experiment Number: **888968**

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

G06: Ames Summary Data

Test Compound: **2-Methylnaphthalene**

CAS Number: **91-57-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:28:47**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	156 ± 1.5	131 ± 3.5	138 ± 3.7	195 ± 10.9	125 ± 1.8
0.3	130 ± 6.4	139 ± 3.5			
1.0	137 ± 3.6	130 ± 0.9	135 ± 2.6	204 ± 7.7	127 ± 2.3
3.3	143 ± 5.4	138 ± 0.9	144 ± 2.8	199 ± 9.7	131 ± 2.0
10.0	139 ± 3.2	130 ± 2.7	138 ± 1.7	174 ± 3.3	126 ± 8.2
33.0	64 ± 3.5[s]	105 ± 9.6[s]	140 ± 3.9	183 ± 12.8	116 ± 0.9
100.0			89 ± 3.1[s]	164 ± 4.0	98 ± 3.8[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					557 ± 11.0
Positive Control[6]			423 ± 9.8	857 ± 56.3	
Positive Control[7]	321 ± 27.1	384 ± 32.4			

Experiment Number: **888968**

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

G06: Ames Summary Data

Test Compound: **2-Methylnaphthalene**

CAS Number: **91-57-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:28:47**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	152 ± 11.0
0.3	
1.0	155 ± 8.7
3.3	146 ± 2.3
10.0	147 ± 5.8
33.0	151 ± 5.5
100.0	154 ± 9.5
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	690 ± 39.2
Positive Control[7]	

Experiment Number: **888968**

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

G06: Ames Summary Data

Test Compound: **2-Methylnaphthalene**

CAS Number: **91-57-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:28:47**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	19 ± 5.2	13 ± 1.5	20 ± 1.8	28 ± 1.8	23 ± 2.0
0.3	18 ± 0.9	15 ± 0.9			
1.0	13 ± 3.1	14 ± 2.7	24 ± 1.0	27 ± 1.7	15 ± 3.0
3.3	19 ± 0.9	15 ± 1.5	25 ± 2.5	28 ± 3.7	21 ± 2.6
10.0	13 ± 0.6	15 ± 1.5	22 ± 1.5	26 ± 4.2	18 ± 0.9
33.0	9 ± 2.0[s]	9 ± 2.0[s]	29 ± 2.0	33 ± 4.0	26 ± 4.4
100.0			22 ± 1.8[s]	25 ± 6.4	21 ± 3.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			260 ± 17.1		417 ± 28.5
Positive Control[5]				413 ± 7.7	
Positive Control[8]	314 ± 16.7	845 ± 40.8			

Experiment Number: **888968**

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

G06: Ames Summary Data

Test Compound: **2-Methylnaphthalene**

CAS Number: **91-57-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:28:47**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	21 ± 3.9
0.3	
1.0	23 ± 1.8
3.3	20 ± 5.8
10.0	25 ± 3.8
33.0	25 ± 4.9
100.0	27 ± 1.9
Trial Summary	Negative
Positive Control[2]	
Positive Control[5]	531 ± 19.6
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
s: Slight Toxicity

** END OF REPORT **