NTP Study Number: 209160

Study Result: Positive

Experiment Number: **209160**

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

G06: Ames Summary Data

Test Compound: **m-Nitroacetophenone**

CAS Number: **121-89-1**

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

Time Report Requested: **14:47:12**

Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	94 ± 2.0	144 ± 8.0	123 ± 10.1
33.0	92 ± 3.2		
100.0	106 ± 10.8	123 ± 15.6	131 ± 4.3
333.0	109 ± 8.6	120 ± 8.3	140 ± 6.6
1000.0	114 ± 7.8[p]	146 ± 6.9[p]	156 ± 5.4[p]
3333.0	40 ± 3.8[p]	133 ± 15.1[p]	138 ± 22.0[p]
10000.0		16 ± 1.5[x]	22 ± 10.4[x]
Trial Summary	Negative	Negative	Negative
Positive Control[2]		2229 ± 102.2	2554 ± 20.8
Positive Control[3]	424 ± 24.6		

Experiment Number: **209160**

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

G06: Ames Summary Data

Test Compound: **m-Nitroacetophenone**

CAS Number: **121-89-1**

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

Time Report Requested: **14:47:12**

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 3.0	10 ± 1.0	9 ± 0.6
33.0	16 ± 1.0		
100.0	12 ± 0.9	8 ± 1.5	10 ± 2.6
333.0	16 ± 0.6	8 ± 2.4	10 ± 2.3
1000.0	9 ± 1.5[p]	10 ± 2.9[p]	8 ± 2.3[p]
3333.0	2 ± 0.7[p]	6 ± 0.0[p]	6 ± 0.7[p]
10000.0		0 ± 0.3[x]	2 ± 1.0[x]
Trial Summary	Negative	Negative	Negative
Positive Control[4]	389 ± 11.7		
Positive Control[5]		376 ± 23.3	664 ± 123.7

Experiment Number: **209160**

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

G06: Ames Summary Data

Test Compound: **m-Nitroacetophenone**

CAS Number: **121-89-1**

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

Time Report Requested: **14:47:12**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9
Vehicle Control[1]	7 ± 2.5	7 ± 1.2
33.0	5 ± 1.0	5 ± 1.5
100.0	8 ± 0.6	8 ± 1.2
333.0	7 ± 0.6	7 ± 1.2
666.0		8 ± 0.9
1000.0	12 ± 2.0[p]	10 ± 1.7[p]
1666.0	8 ± 1.5[p]	7 ± 2.7[p]
Trial Summary	Negative	Negative
Positive Control[6]	537 ± 34.2	662 ± 19.4

Experiment Number: **209160**

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

G06: Ames Summary Data

Test Compound: **m-Nitroacetophenone**

CAS Number: **121-89-1**

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

Time Report Requested: **14:47:12**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	155 ± 4.3	142 ± 12.3	184 ± 12.1	157 ± 10.8
33.0	166 ± 8.2	166 ± 4.4		
100.0	186 ± 8.7	196 ± 5.8	194 ± 8.4	168 ± 3.5
333.0	259 ± 8.5	227 ± 20.4	187 ± 14.2	168 ± 15.6
1000.0	267 ± 11.7[p]	228 ± 15.2[p]	176 ± 2.0[p]	182 ± 4.5[p]
1666.0		170 ± 27.1[p]		
3333.0	59 ± 16.7[x]		146 ± 9.5[x]	123 ± 4.9[x]
10000.0			0 ± 0.0[x]	48 ± 7.5[x]
Trial Summary	Weakly Positive	Weakly Positive	Negative	Negative
Positive Control[5]			1427 ± 142.8	1489 ± 75.5
Positive Control[6]	1118 ± 41.0	1165 ± 125.1		

Experiment Number: **209160**

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

G06: Ames Summary Data

Test Compound: **m-Nitroacetophenone**

CAS Number: **121-89-1**

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

Time Report Requested: **14:47:12**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	12 ± 1.9	18 ± 0.9	28 ± 1.5	28 ± 2.0
33.0	10 ± 1.2	20 ± 1.2		
100.0	21 ± 4.8	26 ± 3.4	26 ± 1.2	36 ± 4.9
333.0	33 ± 7.1	33 ± 2.6	27 ± 0.0	33 ± 2.0
1000.0	46 ± 4.3[p]	41 ± 5.4[p]	28 ± 4.3[p]	40 ± 2.0[p]
1666.0		49 ± 2.5[p]		
3333.0	21 ± 4.7[p]		28 ± 1.9[p]	34 ± 5.4[p]
10000.0			6 ± 1.2[x]	10 ± 4.5[x]
Trial Summary	Positive	Positive	Negative	Negative
Positive Control[2]			1335 ± 123.0	2064 ± 79.2
Positive Control[7]	718 ± 15.5	1115 ± 88.9		

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: 1.0 ug/Plate 2-Aminoanthracene
3: 5.0 ug/Plate Sodium Azide
4: 1.0 ug/Plate Sodium Azide
5: 2.5 ug/Plate 2-Aminoanthracene
6: 50.0 ug/Plate 9-Aminoacridine
7: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate
x: Slight Toxicity and Precipitate

** END OF REPORT **