Experiment Number: **779932**

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

G06: Ames Summary Data

Test Compound: **2-Methyl-6-nitrobenzoic acid**

CAS Number: **13506-76-8**

Date Report Requested: **09/18/2018**

Time Report Requested: **01:09:23**

NTP Study Number: 779932

Study Result: Positive

Experiment Number: **779932**

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

G06: Ames Summary Data

Test Compound: **2-Methyl-6-nitrobenzoic acid**

CAS Number: **13506-76-8**

Date Report Requested: **09/18/2018**

Time Report Requested: **01:09:23**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	130 ± 3.1	114 ± 8.1	146 ± 8.6	131 ± 7.5	119 ± 2.4
10.0		122 ± 14.1			
33.0	142 ± 8.3	142 ± 16.4			
100.0	196 ± 5.6	179 ± 9.6		123 ± 4.5	
333.0	405 ± 22.5	371 ± 26.6	177 ± 12.7	154 ± 8.7	155 ± 2.3
666.0	744 ± 42.6	734 ± 30.9			
1000.0	879 ± 85.7		259 ± 24.2	221 ± 9.2	191 ± 14.0
3333.0			392 ± 18.4	297 ± 13.9	431 ± 16.5
6666.0			569 ± 23.6	556 ± 12.9	605 ± 23.2
10000.0			1214 ± 95.3[p]		0 ± 0.0[x]
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]					1089 ± 78.1
Positive Control[3]			817 ± 21.8	841 ± 14.4	
Positive Control[4]	509 ± 9.0	623 ± 17.2			

Experiment Number: **779932**

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Test Compound: **2-Methyl-6-nitrobenzoic acid**

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Date Report Requested: **09/18/2018**

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	128 ± 9.7
10.0	
33.0	
100.0	162 ± 10.8
333.0	185 ± 8.4
666.0	
1000.0	209 ± 1.5
3333.0	320 ± 16.6
6666.0	543 ± 61.8
10000.0	
Trial Summary	Positive
Positive Control[2]	1357 ± 34.3
Positive Control[3]	
Positive Control[4]	

Experiment Number: **779932**

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

G06: Ames Summary Data

Test Compound: **2-Methyl-6-nitrobenzoic acid**

CAS Number: **13506-76-8**

Date Report Requested: **09/18/2018**

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 2.9	11 ± 1.2	10 ± 2.1
33.0	25 ± 4.5		
100.0	29 ± 0.7		
333.0	31 ± 1.7	10 ± 1.3	6 ± 1.2
666.0	27 ± 2.9		
1000.0	32 ± 1.5	12 ± 2.0	10 ± 2.3
3333.0		11 ± 1.5	12 ± 1.0
6666.0		17 ± 0.9	14 ± 1.8
10000.0		5 ± 4.7[x]	5 ± 2.6[x]
Trial Summary	Negative	Negative	Negative
Positive Control[3]			380 ± 9.5
Positive Control[4]	393 ± 28.8		
Positive Control[5]		267 ± 7.4	

Experiment Number: **779932**

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

G06: Ames Summary Data

Test Compound: **2-Methyl-6-nitrobenzoic acid**

CAS Number: **13506-76-8**

Date Report Requested: **09/18/2018**

Time Report Requested: **01:09:23**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	136 ± 7.2	168 ± 12.5	135 ± 11.0	191 ± 9.0	140 ± 5.2
10.0		201 ± 1.0			
33.0	273 ± 14.7	286 ± 7.7			
100.0	421 ± 30.7	498 ± 20.6		199 ± 11.8	
333.0	711 ± 68.7	982 ± 49.5	212 ± 22.5	235 ± 7.2	213 ± 9.2
666.0	974 ± 50.5	1224 ± 164.9			
1000.0	788 ± 100.4		230 ± 32.0	363 ± 27.7	296 ± 10.7
3333.0			300 ± 46.2	467 ± 13.5	479 ± 56.1
6666.0			158 ± 58.5	463 ± 82.2	399 ± 35.3
10000.0			0 ± 0.0[x]		0 ± 0.0[x]
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]					442 ± 24.0
Positive Control[3]			326 ± 12.9	600 ± 23.8	
Positive Control[6]	539 ± 25.0	932 ± 81.9			

Experiment Number: **779932**

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

G06: Ames Summary Data

Test Compound: **2-Methyl-6-nitrobenzoic acid**

CAS Number: **13506-76-8**

Date Report Requested: **09/18/2018**

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	177 ± 8.8
10.0	
33.0	
100.0	200 ± 8.4
333.0	241 ± 7.4
666.0	
1000.0	361 ± 5.3
3333.0	616 ± 32.2
6666.0	830 ± 62.5
10000.0	
Trial Summary	Positive
Positive Control[2]	725 ± 2.6
Positive Control[3]	
Positive Control[6]	

Experiment Number: **779932**

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

G06: Ames Summary Data

Test Compound: **2-Methyl-6-nitrobenzoic acid**

CAS Number: **13506-76-8**

Date Report Requested: **09/18/2018**

Time Report Requested: **01:09:23**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	22 ± 2.2	18 ± 1.7	43 ± 1.5	31 ± 3.7	37 ± 0.9
10.0		32 ± 2.0			
33.0	49 ± 6.1	48 ± 4.3			
100.0	100 ± 6.2	98 ± 6.4		41 ± 1.7	
333.0	316 ± 8.6	343 ± 37.6	68 ± 3.1	68 ± 15.8	61 ± 2.1
666.0	1166 ± 135.7	899 ± 266.1			
1000.0	1640 ± 159.4		128 ± 8.7	149 ± 6.5	110 ± 3.8
3333.0			421 ± 51.9	319 ± 17.0	479 ± 20.5
6666.0			840 ± 49.0	619 ± 73.7	851 ± 152.9
10000.0			0 ± 0.0[x]		0 ± 0.0[x]
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]					391 ± 17.5
Positive Control[3]			293 ± 20.7	499 ± 20.2	
Positive Control[7]	834 ± 52.3	1179 ± 16.1			

Experiment Number: **779932**

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

G06: Ames Summary Data

Test Compound: **2-Methyl-6-nitrobenzoic acid**

CAS Number: **13506-76-8**

Date Report Requested: **09/18/2018**

Time Report Requested: **01:09:23**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	34 ± 4.1
10.0	
33.0	
100.0	41 ± 5.5
333.0	72 ± 4.3
666.0	
1000.0	145 ± 8.0
3333.0	367 ± 5.8
6666.0	674 ± 35.0
10000.0	
Trial Summary	Positive
Positive Control[2]	829 ± 28.5
Positive Control[3]	
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 2-Aminoanthracene
4: 1.0 ug/Plate Sodium Azide
5: 2.5 ug/Plate 2-Aminoanthracene
6: 50.0 ug/Plate 9-Aminoacridine
7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate
x: Slight Toxicity and Precipitate

** END OF REPORT **