Experiment Number: **293679**

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

G06: Ames Summary Data

Test Compound: **p-Nitrohippuric acid**

CAS Number: **2645-07-0**

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

Time Report Requested: **21:18:47**

NTP Study Number: 293679

Study Result: Positive

Experiment Number: **293679**

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

G06: Ames Summary Data

Test Compound: **p-Nitrohippuric acid**

CAS Number: **2645-07-0**

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

Time Report Requested: **21:18:47**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9
Vehicle Control[1]	128 ± 8.1	103 ± 6.2	94 ± 5.0	124 ± 4.2	128 ± 8.8
100.0	126 ± 5.8				
333.0	126 ± 6.1	97 ± 5.3	121 ± 3.8	133 ± 3.8	150 ± 15.1
1000.0	124 ± 9.6	124 ± 5.8	112 ± 14.0	142 ± 14.0	112 ± 11.4
3333.0	130 ± 6.4	138 ± 6.7	132 ± 3.2	146 ± 12.4	141 ± 3.1
6666.0		169 ± 4.8	164 ± 4.5	129 ± 13.1	161 ± 8.4
10000.0	216 ± 2.6	200 ± 15.0	207 ± 8.8	132 ± 10.7	163 ± 17.7
Trial Summary	Equivocal	Weakly Positive	Positive	Negative	Negative
Positive Control[2]					
Positive Control[3]				642 ± 6.2	423 ± 8.2
Positive Control[4]	422 ± 14.1	408 ± 16.4	400 ± 12.8		
Positive Control[5]					

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Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	150 ± 8.4	121 ± 15.3	113 ± 7.2	127 ± 7.6	129 ± 17.3
100.0	147 ± 8.6				119 ± 14.1
333.0	158 ± 7.8	133 ± 9.8	100 ± 6.7	137 ± 1.0	103 ± 11.2
1000.0	157 ± 4.6	129 ± 18.2	111 ± 3.4	136 ± 9.2	105 ± 3.8
3333.0	165 ± 13.0	147 ± 3.2	104 ± 2.9	136 ± 5.0	118 ± 13.5
6666.0		150 ± 8.1[p]	152 ± 2.0	142 ± 9.5	
10000.0	184 ± 7.8[p]	159 ± 26.6[p]	168 ± 8.5	162 ± 14.3	151 ± 13.5[x]
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control[2]			744 ± 52.0	577 ± 19.6	
Positive Control[3]					590 ± 15.9
Positive Control[4]					
Positive Control[5]	490 ± 16.5	512 ± 54.2			

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

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Test Compound: **p-Nitrohippuric acid**

CAS Number: **2645-07-0**

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

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	113 ± 6.4
100.0	
333.0	104 ± 6.2
1000.0	108 ± 11.2
3333.0	159 ± 8.3
6666.0	160 ± 17.1[p]
10000.0	146 ± 6.9[p]
Trial Summary	Equivocal
Positive Control[2]	
Positive Control[3]	515 ± 8.2
Positive Control[4]	
Positive Control[5]	

Experiment Number: **293679**

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

G06: Ames Summary Data

Test Compound: **p-Nitrohippuric acid**

CAS Number: **2645-07-0**

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

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 5% Hamster S9
Vehicle Control[1]	16 ± 1.2	13 ± 4.5	10 ± 1.5	15 ± 1.2	10 ± 0.9
333.0	13 ± 0.9	9 ± 1.2	10 ± 2.2	15 ± 1.2	12 ± 2.0
1000.0	14 ± 0.3	8 ± 0.3	12 ± 1.5	12 ± 1.0	14 ± 2.9
3333.0	14 ± 1.5	8 ± 0.9	11 ± 1.8	16 ± 0.6	10 ± 3.2
6666.0	16 ± 1.0	11 ± 1.8	8 ± 0.9	16 ± 1.0[p]	11 ± 0.3
10000.0	22 ± 1.5	14 ± 3.3	14 ± 1.3	16 ± 1.5[p]	11 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					134 ± 7.1
Positive Control[4]	377 ± 2.9				
Positive Control[5]		138 ± 7.4	117 ± 10.1		
Positive Control[6]				96 ± 3.5	

Experiment Number: **293679**

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

G06: Ames Summary Data

Test Compound: **p-Nitrohippuric acid**

CAS Number: **2645-07-0**

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

Time Report Requested: **21:18:47**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	11 ± 1.5	11 ± 1.7
333.0	8 ± 2.6	10 ± 0.6
1000.0	12 ± 0.9	14 ± 1.0
3333.0	9 ± 1.2	14 ± 2.8
6666.0	13 ± 0.3	13 ± 0.7[p]
10000.0	13 ± 4.2	16 ± 2.0[p]
Trial Summary	Negative	Negative
Positive Control[3]	207 ± 15.6	370 ± 38.4
Positive Control[4]		
Positive Control[5]		
Positive Control[6]		

Experiment Number: **293679**

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

G06: Ames Summary Data

Test Compound: **p-Nitrohippuric acid**

CAS Number: **2645-07-0**

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

Time Report Requested: **21:18:47**

Strain: TA1538

Dose (ug/Plate)	Without S9	Without S9
Vehicle Control[1]	17 ± 1.7	15 ± 2.3
333.0	17 ± 1.3	
1000.0	15 ± 1.0	23 ± 0.9
1666.0		25 ± 6.5
3333.0	32 ± 2.6	27 ± 0.3
6666.0	42 ± 1.2	34 ± 5.8
10000.0	47 ± 4.8	44 ± 7.9
Trial Summary	Positive	Positive
Positive Control[7]	570 ± 33.8	629 ± 12.2

Experiment Number: **293679**

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

G06: Ames Summary Data

Test Compound: **p-Nitrohippuric acid**

CAS Number: **2645-07-0**

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

Time Report Requested: **21:18:47**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	16 ± 1.2	16 ± 0.7	17 ± 0.7	24 ± 2.6	28 ± 0.9
100.0	16 ± 1.0			24 ± 0.5	29 ± 3.3
333.0	14 ± 0.3	16 ± 1.2	15 ± 1.2	17 ± 1.2	24 ± 2.0
1000.0	18 ± 1.0	21 ± 2.6	21 ± 4.3	19 ± 0.3	26 ± 2.0
3333.0	25 ± 2.7	23 ± 1.5	20 ± 2.9	16 ± 2.8	20 ± 2.6
6666.0		31 ± 1.5	34 ± 1.8		
10000.0	32 ± 1.5	43 ± 2.3	35 ± 1.7	21 ± 1.5[p]	31 ± 1.2[x]
Trial Summary	Equivocal	Positive	Positive	Negative	Negative
Positive Control[3]				87 ± 12.4	274 ± 32.1
Positive Control[7]	667 ± 85.0	514 ± 25.4	424 ± 1.7		

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: 5.0 ug/Plate 2-Aminoanthracene
7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate
x: Slight Toxicity and Precipitate

** END OF REPORT **