Experiment Number: **747588**

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

G06: Ames Summary Data

Test Compound: **o-Phenylphenol**

CAS Number: **90-43-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:18:44**

NTP Study Number: 747588

Study Result: Weakly Positive

Experiment Number: **747588**

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

G06: Ames Summary Data

Test Compound: **o-Phenylphenol**

CAS Number: **90-43-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:18:44**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	121 ± 3.0	139 ± 5.4	137 ± 11.6	147 ± 16.8	135 ± 11.0
3.3	134 ± 2.9	128 ± 4.0	141 ± 1.8	150 ± 11.1	126 ± 3.2
10.0	130 ± 6.2	117 ± 9.5	129 ± 12.3	149 ± 8.6	107 ± 11.8
33.0	138 ± 1.2	150 ± 8.8	123 ± 3.5	141 ± 7.0	130 ± 14.4
100.0	138 ± 15.7	152 ± 8.0	126 ± 3.2	145 ± 9.5	119 ± 0.3
150.0		Toxic			
200.0				143 ± 2.2[s]	
215.0	Toxic		100 ± 0.7[s]		98 ± 5.8[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1341 ± 40.5
Positive Control[3]			1065 ± 42.5	918 ± 62.4	
Positive Control[4]	1103 ± 39.1	1335 ± 26.0			

Experiment Number: **747588**

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Date Report Requested: **09/17/2018**

Time Report Requested: **10:18:44**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	142 ± 0.9
3.3	149 ± 6.3
10.0	148 ± 3.7
33.0	145 ± 2.6
100.0	134 ± 8.3
150.0	
200.0	124 ± 8.0[s]
215.0	
Trial Summary	Negative
Positive Control[2]	1072 ± 80.6
Positive Control[3]	
Positive Control[4]	

Experiment Number: **747588**

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

G06: Ames Summary Data

Test Compound: **o-Phenylphenol**

CAS Number: **90-43-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:18:44**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	24 ± 6.0	21 ± 4.8	21 ± 4.5	14 ± 2.3	12 ± 1.7
3.3	22 ± 4.5	22 ± 2.3		16 ± 2.5	11 ± 1.2
10.0	23 ± 2.6	22 ± 3.2	33 ± 1.5	13 ± 2.0	13 ± 3.3
33.0	31 ± 5.2	30 ± 5.4		12 ± 2.0	6 ± 1.2
40.0			33 ± 5.5		
60.0			52 ± 1.5		
80.0			47 ± 0.6		
100.0	39 ± 5.4	42 ± 0.3	60 ± 4.0	13 ± 1.3	10 ± 0.9
120.0			47 ± 6.4		
140.0			43 ± 2.0[s]		
150.0		35 ± 0.7[s]			
200.0					10 ± 1.5[s]
215.0	Toxic			10 ± 2.3[s]	
Trial Summary	Equivocal	Equivocal	Weakly Positive	Negative	Negative
Positive Control[2]					
Positive Control[3]				63 ± 3.2	48 ± 6.5
Positive Control[4]	864 ± 51.8	894 ± 47.1	773 ± 38.5		

Experiment Number: **747588**

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

G06: Ames Summary Data

Test Compound: **o-Phenylphenol**

CAS Number: **90-43-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:18:44**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	11 ± 1.2	12 ± 0.3
3.3	10 ± 1.8	13 ± 3.8
10.0	13 ± 0.9	14 ± 3.4
33.0	10 ± 1.9	12 ± 1.3
40.0		
60.0		
80.0		
100.0	12 ± 2.6	9 ± 1.2
120.0		
140.0		
150.0		
200.0		10 ± 2.5[s]
215.0	6 ± 2.1[s]	
Trial Summary	Negative	Negative
Positive Control[2]	86 ± 9.0	90 ± 8.4
Positive Control[3]		
Positive Control[4]		

Experiment Number: **747588**

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

G06: Ames Summary Data

Test Compound: **o-Phenylphenol**

CAS Number: **90-43-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:18:44**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	5 ± 1.0	4 ± 0.9	6 ± 1.0	10 ± 1.8	7 ± 1.2
3.3	7 ± 1.0	5 ± 1.0	9 ± 1.2	7 ± 0.7	11 ± 2.3
10.0	6 ± 1.3	6 ± 0.7	10 ± 2.0	9 ± 0.9	7 ± 0.6
33.0	6 ± 1.5	6 ± 0.3	5 ± 0.7	10 ± 1.2	7 ± 2.0
100.0	5 ± 0.9	7 ± 0.0	6 ± 0.9	7 ± 1.5	12 ± 0.7
150.0		Toxic			
200.0				8 ± 1.2[s]	
215.0	Toxic		6 ± 1.2[s]		7 ± 2.9[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					134 ± 9.0
Positive Control[3]			87 ± 4.8	63 ± 2.4	
Positive Control[5]	265 ± 34.2	507 ± 26.0			

Experiment Number: **747588**

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

G06: Ames Summary Data

Test Compound: **o-Phenylphenol**

CAS Number: **90-43-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:18:44**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	11 ± 2.0
3.3	6 ± 0.3
10.0	8 ± 2.4
33.0	7 ± 0.3
100.0	6 ± 1.0
150.0	
200.0	6 ± 0.3[s]
215.0	
Trial Summary	Negative
Positive Control[2]	90 ± 4.1
Positive Control[3]	
Positive Control[5]	

Experiment Number: **747588**

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

G06: Ames Summary Data

Test Compound: **o-Phenylphenol**

CAS Number: **90-43-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:18:44**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	16 ± 3.3	20 ± 2.0	24 ± 2.8	31 ± 3.2	28 ± 1.2
3.3	13 ± 4.0	17 ± 1.9	29 ± 1.0	26 ± 1.2	24 ± 0.6
10.0	19 ± 1.2	15 ± 3.8	28 ± 3.8	27 ± 3.2	31 ± 2.4
33.0	18 ± 1.3	17 ± 0.3	26 ± 3.8	30 ± 4.7	31 ± 5.0
100.0	14 ± 0.6	14 ± 3.3	28 ± 2.4	31 ± 4.9	25 ± 1.2
150.0		15 ± 1.2[s]			
200.0				16 ± 2.1[s]	
215.0	Toxic		24 ± 3.1[s]		28 ± 4.8[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1398 ± 11.2
Positive Control[3]			933 ± 16.5	766 ± 14.5	
Positive Control[6]	1470 ± 39.0	1455 ± 44.8			

Experiment Number: **747588**

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

G06: Ames Summary Data

Test Compound: **o-Phenylphenol**

CAS Number: **90-43-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:18:44**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	33 ± 1.8
3.3	27 ± 3.5
10.0	25 ± 0.3
33.0	27 ± 2.3
100.0	28 ± 3.6
150.0	
200.0	25 ± 0.3[s]
215.0	
Trial Summary	Negative
Positive Control[2]	1010 ± 18.8
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 **