Experiment Number: **279558**

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

G06: Ames Summary Data

Test Compound: **2-(2,4-Dinitroanilino)phenol**

CAS Number: **6358-23-2**

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

Time Report Requested: **14:49:45**

NTP Study Number: 279558

Study Result: Positive

Experiment Number: **279558**

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

G06: Ames Summary Data

Test Compound: **2-(2,4-Dinitroanilino)phenol**

CAS Number: **6358-23-2**

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

Time Report Requested: **14:49:45**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	85 ± 0.7	118 ± 8.7	82 ± 2.7	93 ± 5.2	82 ± 2.9
0.3		119 ± 8.2		156 ± 5.4	
1.0	80 ± 2.0	124 ± 0.3	145 ± 7.7	214 ± 11.8	107 ± 3.0
3.3	90 ± 1.9	129 ± 5.3	246 ± 15.1	254 ± 19.8	181 ± 5.0
10.0	125 ± 2.9	165 ± 2.1	572 ± 15.3	830 ± 14.7	460 ± 30.2
33.0	151 ± 8.7	176 ± 3.0[s]	485 ± 65.2	991 ± 38.7	982 ± 2.6
66.0	173 ± 3.2[s]		45 ± 7.8		315 ± 5.5
Trial Summary	Positive	Weakly Positive	Positive	Positive	Positive
Positive Control[2]					366 ± 3.1
Positive Control[3]	295 ± 11.5	381 ± 16.5			
Positive Control[4]			287 ± 17.3	501 ± 6.0	

Experiment Number: **279558**

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

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

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	93 ± 4.9
0.3	123 ± 4.2
1.0	132 ± 12.0
3.3	254 ± 22.6
10.0	921 ± 37.2
33.0	842 ± 31.5
66.0	
Trial Summary	Positive
Positive Control[2]	519 ± 8.4
Positive Control[3]	
Positive Control[4]	

Experiment Number: **279558**

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

G06: Ames Summary Data

Test Compound: **2-(2,4-Dinitroanilino)phenol**

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

Time Report Requested: **14:49:45**

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	15 ± 4.4	8 ± 1.8	9 ± 2.7	6 ± 0.3	8 ± 1.8
0.3			6 ± 1.5		6 ± 0.9
1.0	16 ± 2.6	6 ± 0.9	5 ± 0.7	8 ± 0.6	9 ± 2.0
3.3	15 ± 4.2	7 ± 1.7	10 ± 1.2	7 ± 1.0	11 ± 0.5
10.0	12 ± 1.0	20 ± 1.8	17 ± 3.4	9 ± 1.3	17 ± 2.3
33.0	13 ± 1.5	24 ± 1.3	29 ± 5.8	22 ± 1.7	29 ± 2.3
66.0	8 ± 2.8[s]	14 ± 2.5		18 ± 0.9	
Trial Summary	Negative	Positive	Positive	Equivocal	Positive
Positive Control[2]				62 ± 3.2	52 ± 6.7
Positive Control[3]	202 ± 9.1				
Positive Control[5]		108 ± 13.7	193 ± 7.2		

Experiment Number: **279558**

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

G06: Ames Summary Data

Test Compound: **2-(2,4-Dinitroanilino)phenol**

CAS Number: **6358-23-2**

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

Time Report Requested: **14:49:45**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	98 ± 7.2	94 ± 10.1	131 ± 4.9	143 ± 6.4	200 ± 8.8
0.3		108 ± 11.3		194 ± 7.3	
1.0	121 ± 5.5	142 ± 2.3	198 ± 2.3	220 ± 8.7	194 ± 16.3
3.3	128 ± 7.2	169 ± 4.6	332 ± 2.9	317 ± 7.0	277 ± 15.0
10.0	227 ± 3.5	310 ± 15.5	955 ± 43.1	1067 ± 49.8	823 ± 38.1
33.0	209 ± 13.0	380 ± 13.8	119 ± 29.2	324 ± 23.8	382 ± 13.5
66.0	109 ± 31.1[s]		4 ± 1.0		19 ± 1.2
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[4]					764 ± 66.4
Positive Control[5]			589 ± 41.7	864 ± 13.2	
Positive Control[6]	171 ± 27.1				
Positive Control[7]		1033 ± 13.9			

Experiment Number: **279558**

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

G06: Ames Summary Data

Test Compound: **2-(2,4-Dinitroanilino)phenol**

CAS Number: **6358-23-2**

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

Time Report Requested: **14:49:45**

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	108 ± 4.2
0.3	107 ± 9.6
1.0	135 ± 14.7
3.3	240 ± 10.7
10.0	980 ± 29.2
33.0	748 ± 9.4
66.0	
Trial Summary	Positive
Positive Control[4]	780 ± 17.0
Positive Control[5]	
Positive Control[6]	
Positive Control[7]	

Experiment Number: **279558**

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

G06: Ames Summary Data

Test Compound: **2-(2,4-Dinitroanilino)phenol**

CAS Number: **6358-23-2**

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

Time Report Requested: **14:49:45**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	12 ± 0.3	17 ± 2.6	20 ± 3.2	16 ± 1.8	15 ± 2.6
0.3		16 ± 1.2		36 ± 1.9	
1.0	16 ± 4.3	26 ± 0.3	41 ± 2.2	51 ± 4.0	28 ± 4.5
3.3	19 ± 2.4	28 ± 2.9	97 ± 9.8	90 ± 5.8	102 ± 11.1
10.0	32 ± 5.0	47 ± 7.3	304 ± 2.3	382 ± 6.4	435 ± 28.9
33.0	41 ± 3.6	114 ± 5.8	965 ± 18.5	1166 ± 24.6	940 ± 51.8
66.0	53 ± 2.6[s]		1103 ± 34.9		1045 ± 35.1
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[8]					87 ± 3.5
Positive Control[2]			164 ± 16.1	240 ± 10.7	
Positive Control[9]	109 ± 4.5	146 ± 9.2			

Experiment Number: **279558**

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

G06: Ames Summary Data

Test Compound: **2-(2,4-Dinitroanilino)phenol**

CAS Number: **6358-23-2**

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

Time Report Requested: **14:49:45**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	21 ± 2.1
0.3	24 ± 4.5
1.0	33 ± 3.7
3.3	134 ± 9.4
10.0	784 ± 11.9
33.0	1414 ± 43.0
66.0	
Trial Summary	Positive
Positive Control[8]	219 ± 5.8
Positive Control[2]	
Positive Control[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: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 2.0 ug/Plate 2-Aminoanthracene
6: 3.5 ug/Plate 9-Aminoacridine
7: 4.0 ug/Plate 9-Aminoacridine
8: 0.2 ug/Plate 2-Aminoanthracene
9: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **