Experiment Number: **292777**

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

G06: Ames Summary Data

Test Compound: **2-Amino-4,6-dinitrophenol**

CAS Number: **96-91-3**

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

Time Report Requested: **21:11:36**

NTP Study Number: 292777

Study Result: Positive

Experiment Number: **292777**

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

G06: Ames Summary Data

Test Compound: **2-Amino-4,6-dinitrophenol**

CAS Number: **96-91-3**

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

Time Report Requested: **21:11:36**

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 ± 3.0	107 ± 4.1	87 ± 3.2	95 ± 2.6	85 ± 4.1
3.3		199 ± 3.5			
10.0	333 ± 11.2	352 ± 10.2	107 ± 3.3	118 ± 8.2	103 ± 3.5
33.0	756 ± 38.7	736 ± 11.8	158 ± 6.7	157 ± 5.6	206 ± 11.4
100.0	1088 ± 25.4	1059 ± 37.2	202 ± 15.3	215 ± 4.3	326 ± 17.3
333.0	1502 ± 31.7	1473 ± 33.3[s]	305 ± 15.7	321 ± 5.9	757 ± 8.7
1000.0	1979 ± 13.5[s]		477 ± 35.0	534 ± 4.2[s]	1127 ± 22.0
2000.0					
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]					367 ± 10.7
Positive Control[3]	298 ± 10.6	337 ± 2.0			
Positive Control[4]			304 ± 18.8	260 ± 8.3	

Experiment Number: **292777**

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

G06: Ames Summary Data

Test Compound: **2-Amino-4,6-dinitrophenol**

CAS Number: **96-91-3**

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

Time Report Requested: **21:11:36**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	113 ± 2.4
3.3	
10.0	190 ± 3.2
33.0	354 ± 3.3
100.0	560 ± 60.6
333.0	1078 ± 17.5
1000.0	1367 ± 13.2[s]
2000.0	
Trial Summary	Positive
Positive Control[2]	357 ± 8.9
Positive Control[3]	
Positive Control[4]	

Experiment Number: **292777**

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

G06: Ames Summary Data

Test Compound: **2-Amino-4,6-dinitrophenol**

CAS Number: **96-91-3**

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

Time Report Requested: **21:11:36**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	17 ± 4.4	5 ± 1.2	7 ± 1.2	6 ± 1.0	6 ± 1.5
3.3		11 ± 0.6			
10.0		14 ± 1.3		9 ± 1.2	
33.0	41 ± 4.5	26 ± 1.5	8 ± 1.3	13 ± 1.9	17 ± 2.1
100.0	57 ± 3.3	30 ± 2.6	11 ± 0.7	12 ± 1.5	16 ± 4.7
333.0	73 ± 3.2	37 ± 5.7	13 ± 2.3	16 ± 1.3	33 ± 1.5
1000.0	60 ± 1.0		22 ± 3.0	35 ± 3.5	61 ± 3.5
2000.0	17 ± 3.6		25 ± 2.3		31 ± 0.6
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]					64 ± 3.6
Positive Control[3]	188 ± 14.3	81 ± 4.8			
Positive Control[5]			193 ± 4.9	102 ± 3.8	

Experiment Number: **292777**

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

G06: Ames Summary Data

Test Compound: **2-Amino-4,6-dinitrophenol**

CAS Number: **96-91-3**

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

Time Report Requested: **21:11:36**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	8 ± 0.3
3.3	
10.0	12 ± 1.5
33.0	17 ± 0.7
100.0	26 ± 6.1
333.0	38 ± 4.7
1000.0	39 ± 3.2
2000.0	
Trial Summary	Positive
Positive Control[2]	68 ± 8.5
Positive Control[3]	
Positive Control[5]	

Experiment Number: **292777**

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

G06: Ames Summary Data

Test Compound: **2-Amino-4,6-dinitrophenol**

CAS Number: **96-91-3**

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

Time Report Requested: **21:11:36**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	87 ± 6.6	126 ± 8.1	167 ± 7.5	97 ± 4.9	148 ± 3.8
10.0		316 ± 11.7		173 ± 6.2	182 ± 11.3
33.0	837 ± 23.7	471 ± 47.7	276 ± 20.1	235 ± 7.4	278 ± 8.0
100.0	1066 ± 35.7	590 ± 38.4	373 ± 18.1	351 ± 17.6	455 ± 12.5
333.0	1223 ± 43.5	400 ± 17.3	631 ± 66.8	589 ± 20.1	1072 ± 20.4
1000.0	97 ± 18.8	44 ± 3.9[s]	277 ± 32.4	123 ± 26.7	137 ± 5.5[s]
2000.0	1 ± 0.6[s]		3 ± 0.9		
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[4]					675 ± 16.3
Positive Control[5]			790 ± 9.7	790 ± 27.8	
Positive Control[6]					
Positive Control[7]	287 ± 5.6	388 ± 4.7			

Experiment Number: **292777**

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

G06: Ames Summary Data

Test Compound: **2-Amino-4,6-dinitrophenol**

CAS Number: **96-91-3**

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

Time Report Requested: **21:11:36**

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	129 ± 3.1
10.0	210 ± 20.8
33.0	440 ± 12.9
100.0	878 ± 43.3
333.0	1264 ± 15.5
1000.0	136 ± 13.7[s]
2000.0	
Trial Summary	Positive
Positive Control[4]	
Positive Control[5]	
Positive Control[6]	521 ± 16.7
Positive Control[7]	

Experiment Number: **292777**

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

G06: Ames Summary Data

Test Compound: **2-Amino-4,6-dinitrophenol**

CAS Number: **96-91-3**

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

Time Report Requested: **21:11:36**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	14 ± 0.3	19 ± 0.6	19 ± 3.2	26 ± 3.5	20 ± 3.1
10.0		38 ± 2.3		28 ± 2.1	
33.0	68 ± 7.3	67 ± 3.5	27 ± 3.5	31 ± 2.8	35 ± 5.5
100.0	144 ± 7.5	149 ± 5.2	33 ± 1.2	35 ± 1.0	50 ± 3.2
333.0	210 ± 1.8	215 ± 2.1	37 ± 2.3	33 ± 2.7	100 ± 8.3
1000.0	279 ± 13.9	246 ± 15.6	41 ± 3.5	47 ± 4.8[s]	216 ± 11.3
2000.0	197 ± 9.6		42 ± 4.7		152 ± 14.1
Trial Summary	Positive	Positive	Weakly Positive	Equivocal	Positive
Positive Control[8]					104 ± 7.0
Positive Control[2]			107 ± 7.0	126 ± 12.4	
Positive Control[9]	118 ± 5.4	185 ± 11.4			

Experiment Number: **292777**

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

G06: Ames Summary Data

Test Compound: **2-Amino-4,6-dinitrophenol**

CAS Number: **96-91-3**

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

Time Report Requested: **21:11:36**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	26 ± 1.9
10.0	30 ± 1.3
33.0	46 ± 2.7
100.0	56 ± 3.8
333.0	98 ± 14.5
1000.0	221 ± 10.1[s]
2000.0	
Trial Summary	Positive
Positive Control[8]	155 ± 8.5
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: 2.5 ug/Plate 2-Aminoanthracene
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 **