Experiment Number: **112288**

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

G06: Ames Summary Data

Test Compound: **2-Bromo-4,6-dinitroaniline**

CAS Number: **1817-73-8**

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

Time Report Requested: **19:52:20**

NTP Study Number: 112288

Study Result: Positive

Experiment Number: **112288**

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

G06: Ames Summary Data

Test Compound: **2-Bromo-4,6-dinitroaniline**

CAS Number: **1817-73-8**

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

Time Report Requested: **19:52:20**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	118 ± 12.3	118 ± 11.7	105 ± 8.5	146 ± 4.4	111 ± 1.8
10.0	148 ± 19.8	113 ± 1.0	128 ± 11.3	147 ± 5.4	127 ± 9.0
33.0	166 ± 19.2	126 ± 8.4	203 ± 9.0	200 ± 9.3	201 ± 3.8
100.0	322 ± 17.0	302 ± 25.0	300 ± 18.0	265 ± 16.2	324 ± 11.9
333.0	893 ± 42.9	568 ± 27.1	542 ± 1.8	404 ± 15.1	678 ± 16.2
666.0	268 ± 32.9	143 ± 29.4	184 ± 15.2	107 ± 14.7	136 ± 19.6
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]	383 ± 14.9	297 ± 16.9			
Positive Control[3]			922 ± 112.2	1638 ± 60.4	1784 ± 26.1

Experiment Number: **112288**

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

G06: Ames Summary Data

Test Compound: **2-Bromo-4,6-dinitroaniline**

CAS Number: **1817-73-8**

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

Time Report Requested: **19:52:20**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	133 ± 7.2
10.0	162 ± 14.7
33.0	184 ± 3.1
100.0	377 ± 3.7
333.0	520 ± 6.6
666.0	68 ± 52.7
Trial Summary	Positive
Positive Control[2]	
Positive Control[3]	2174 ± 37.4

Experiment Number: **112288**

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

G06: Ames Summary Data

Test Compound: **2-Bromo-4,6-dinitroaniline**

CAS Number: **1817-73-8**

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

Time Report Requested: **19:52:20**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	36 ± 1.9	32 ± 2.3	13 ± 3.5	6 ± 1.2	11 ± 2.1
10.0	18 ± 4.9	28 ± 0.7	15 ± 2.8	7 ± 0.3	48 ± 3.4
33.0	20 ± 4.6	24 ± 2.6	10 ± 1.0	6 ± 1.2	34 ± 5.2
100.0	17 ± 0.0	20 ± 3.2	18 ± 5.2	6 ± 0.9	43 ± 0.7
333.0	21 ± 2.3	15 ± 3.1	25 ± 1.9	7 ± 0.6	30 ± 1.5
666.0	6 ± 2.1	5 ± 2.1	13 ± 2.5	6 ± 1.9	16 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control[2]	395 ± 21.7	404 ± 28.2			
Positive Control[4]			211 ± 18.1	535 ± 23.0	492 ± 17.2

Experiment Number: **112288**

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

G06: Ames Summary Data

Test Compound: **2-Bromo-4,6-dinitroaniline**

CAS Number: **1817-73-8**

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

Time Report Requested: **19:52:20**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	16 ± 1.8
10.0	9 ± 1.8
33.0	5 ± 1.0
100.0	10 ± 1.5
333.0	12 ± 1.2
666.0	8 ± 3.0
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	691 ± 15.2

Experiment Number: **112288**

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

G06: Ames Summary Data

Test Compound: **2-Bromo-4,6-dinitroaniline**

CAS Number: **1817-73-8**

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

Time Report Requested: **19:52:20**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	4 ± 0.9	7 ± 0.3	7 ± 0.3	6 ± 1.2	9 ± 0.9
10.0	10 ± 1.3	8 ± 0.6	11 ± 2.5	10 ± 2.0	16 ± 1.3
33.0	20 ± 2.3	14 ± 0.9	26 ± 1.0	19 ± 4.9	71 ± 8.5
100.0	51 ± 3.1	43 ± 9.5	46 ± 3.1	29 ± 3.7	290 ± 15.6
333.0	212 ± 26.5	108 ± 19.5	108 ± 8.4	53 ± 7.2	611 ± 37.3
666.0	250 ± 28.7	31 ± 9.5	141 ± 22.9	48 ± 18.2	262 ± 29.5
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[3]					408 ± 11.7
Positive Control[4]			132 ± 20.3	509 ± 19.9	
Positive Control[5]	186 ± 19.4	443 ± 51.6			

Experiment Number: **112288**

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

G06: Ames Summary Data

Test Compound: **2-Bromo-4,6-dinitroaniline**

CAS Number: **1817-73-8**

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

Time Report Requested: **19:52:20**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 0.6
10.0	15 ± 0.6
33.0	32 ± 2.8
100.0	152 ± 8.7
333.0	256 ± 25.7
666.0	39 ± 17.9
Trial Summary	Positive
Positive Control[3]	
Positive Control[4]	125 ± 7.3
Positive Control[5]	

Experiment Number: **112288**

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

G06: Ames Summary Data

Test Compound: **2-Bromo-4,6-dinitroaniline**

CAS Number: **1817-73-8**

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

Time Report Requested: **19:52:20**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 1.5	13 ± 2.6	23 ± 2.3	31 ± 3.3	36 ± 2.5
10.0	36 ± 3.4	36 ± 6.7	121 ± 2.2	93 ± 2.3	185 ± 36.0
33.0	77 ± 2.3	59 ± 3.7	269 ± 37.0	171 ± 10.7	475 ± 48.9
100.0	211 ± 13.3	168 ± 16.8	417 ± 34.8	323 ± 37.3	938 ± 8.1
333.0	472 ± 51.1	303 ± 34.6	602 ± 46.7	421 ± 51.2	774 ± 147.7
666.0	608 ± 23.9	214 ± 49.8	673 ± 64.5	109 ± 54.6	756 ± 79.8
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[3]			867 ± 11.9	1221 ± 9.9	1629 ± 25.7
Positive Control[6]	475 ± 5.4	431 ± 38.4			

Experiment Number: **112288**

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

G06: Ames Summary Data

Test Compound: **2-Bromo-4,6-dinitroaniline**

CAS Number: **1817-73-8**

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

Time Report Requested: **19:52:20**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	32 ± 0.0
10.0	127 ± 6.1
33.0	249 ± 20.4
100.0	494 ± 15.9
333.0	501 ± 11.3
666.0	382 ± 86.1
Trial Summary	Positive
Positive Control[3]	1901 ± 39.4
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: 1.0 ug/Plate Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **