NTP Study Number: 651437

Study Result: Negative

Experiment Number: **651437**

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

G06: Ames Summary Data

Test Compound: **Pentabromotoluene**

CAS Number: **87-83-2**

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

Time Report Requested: **05:42:15**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	114 ± 6.7	107 ± 11.3	121 ± 4.0	109 ± 7.8	122 ± 9.5
100.0	114 ± 3.1	113 ± 4.3	149 ± 5.0	108 ± 8.0	140 ± 2.0
333.0	129 ± 13.2[p]	114 ± 4.7[p]	149 ± 3.1[p]	106 ± 10.4[p]	139 ± 1.8[p]
1000.0	118 ± 13.3[p]	97 ± 4.1[p]	156 ± 8.4[p]	107 ± 3.1[p]	138 ± 1.7[p]
3333.0	123 ± 12.8[p]	112 ± 12.7[p]	158 ± 2.5[p]	101 ± 3.2[p]	126 ± 11.5[p]
10000.0	121 ± 8.0[p]	117 ± 2.5[p]	146 ± 6.8[p]	102 ± 3.9[p]	135 ± 6.9[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	424 ± 22.0	413 ± 2.7			
Positive Control[3]			464 ± 11.5	359 ± 4.2	1412 ± 49.8

Experiment Number: **651437**

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

G06: Ames Summary Data

Test Compound: **Pentabromotoluene**

CAS Number: **87-83-2**

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

Time Report Requested: **05:42:15**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	98 ± 7.0
100.0	93 ± 1.5
333.0	93 ± 4.2[p]
1000.0	97 ± 8.6[p]
3333.0	102 ± 1.2[p]
10000.0	102 ± 5.2[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	1072 ± 24.5

Experiment Number: **651437**

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

G06: Ames Summary Data

Test Compound: **Pentabromotoluene**

CAS Number: **87-83-2**

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

Time Report Requested: **05:42:15**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	25 ± 0.3	26 ± 1.0	7 ± 1.5	10 ± 1.7	13 ± 3.0
100.0	19 ± 2.6	23 ± 4.4	9 ± 2.3	6 ± 1.7	22 ± 4.3
333.0	25 ± 2.1[p]	26 ± 2.7[p]	10 ± 2.7[p]	6 ± 0.7[p]	23 ± 4.8[p]
1000.0	25 ± 3.8[p]	27 ± 4.8[p]	13 ± 2.6[p]	7 ± 1.7[p]	21 ± 2.3[p]
3333.0	23 ± 2.1[p]	24 ± 3.2[p]	12 ± 2.9[p]	8 ± 0.3[p]	23 ± 5.0[p]
10000.0	24 ± 3.5[p]	26 ± 4.1[p]	11 ± 2.2[p]	6 ± 0.9[p]	20 ± 1.5[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	395 ± 13.6	481 ± 11.8			
Positive Control[4]			149 ± 6.7	162 ± 11.0	504 ± 29.3

Experiment Number: **651437**

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

G06: Ames Summary Data

Test Compound: **Pentabromotoluene**

CAS Number: **87-83-2**

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

Time Report Requested: **05:42:15**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	10 ± 1.2
100.0	9 ± 1.9
333.0	13 ± 2.3[p]
1000.0	7 ± 2.0[p]
3333.0	6 ± 1.2[p]
10000.0	9 ± 1.5[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	416 ± 15.9

Experiment Number: **651437**

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

G06: Ames Summary Data

Test Compound: **Pentabromotoluene**

CAS Number: **87-83-2**

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

Time Report Requested: **05:42:15**

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 ± 1.2	4 ± 1.5	9 ± 2.0	6 ± 0.6	8 ± 2.3
100.0	7 ± 1.2	6 ± 0.7	7 ± 0.0	5 ± 1.7	7 ± 0.3
333.0	5 ± 0.3[p]	5 ± 1.2[p]	8 ± 1.5[p]	7 ± 1.2[p]	8 ± 1.2[p]
1000.0	5 ± 1.2[p]	8 ± 2.1[p]	9 ± 0.0[p]	7 ± 2.6[p]	9 ± 0.7[p]
3333.0	7 ± 0.9[p]	7 ± 0.0[p]	9 ± 2.0[p]	8 ± 1.5[p]	10 ± 1.5[p]
10000.0	8 ± 1.2[p]	7 ± 2.1[p]	7 ± 2.1[p]	9 ± 2.0[p]	9 ± 0.3[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			174 ± 8.1	111 ± 6.8	357 ± 24.3
Positive Control[5]	106 ± 12.5	154 ± 8.4			

Experiment Number: **651437**

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

G06: Ames Summary Data

Test Compound: **Pentabromotoluene**

CAS Number: **87-83-2**

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

Time Report Requested: **05:42:15**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	5 ± 0.3
100.0	4 ± 1.5
333.0	7 ± 1.0[p]
1000.0	6 ± 0.3[p]
3333.0	6 ± 1.2[p]
10000.0	9 ± 1.5[p]
Trial Summary	Negative
Positive Control[4]	433 ± 16.1
Positive Control[5]	

Experiment Number: **651437**

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

G06: Ames Summary Data

Test Compound: **Pentabromotoluene**

CAS Number: **87-83-2**

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

Time Report Requested: **05:42:15**

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 ± 3.8	16 ± 0.7	34 ± 5.8	29 ± 1.0	29 ± 4.4
100.0	16 ± 1.3	16 ± 1.2	29 ± 3.4	16 ± 0.9	33 ± 4.1
333.0	15 ± 0.3[p]	15 ± 6.2[p]	29 ± 0.0[p]	19 ± 0.9[p]	45 ± 1.8[p]
1000.0	16 ± 1.9[p]	18 ± 1.7[p]	31 ± 0.9[p]	23 ± 2.0[p]	39 ± 2.2[p]
3333.0	17 ± 1.0[p]	14 ± 3.2[p]	33 ± 1.5[p]	22 ± 5.9[p]	36 ± 2.9[p]
10000.0	18 ± 0.6[p]	16 ± 2.3[p]	31 ± 1.2[p]	23 ± 1.5[p]	39 ± 3.2[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]			319 ± 17.2	333 ± 13.9	1474 ± 19.1
Positive Control[6]	841 ± 8.3	688 ± 18.1			

Experiment Number: **651437**

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

G06: Ames Summary Data

Test Compound: **Pentabromotoluene**

CAS Number: **87-83-2**

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

Time Report Requested: **05:42:15**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	23 ± 3.2
100.0	28 ± 1.5
333.0	31 ± 4.4[p]
1000.0	30 ± 1.8[p]
3333.0	32 ± 0.9[p]
10000.0	29 ± 1.9[p]
Trial Summary	Negative
Positive Control[3]	1308 ± 39.0
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
p: Precipitate

** END OF REPORT **