Experiment Number: **423117**

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

G06: Ames Summary Data

Test Compound: **2,3,4,5,6-Pentabromoethylbenzene**

CAS Number: **85-22-3**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:48:11**

NTP Study Number: 423117

Study Result: Negative

Experiment Number: **423117**

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

G06: Ames Summary Data

Test Compound: **2,3,4,5,6-Pentabromoethylbenzene**

CAS Number: **85-22-3**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:48:11**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	108 ± 4.6	129 ± 1.2	103 ± 4.2	115 ± 4.3	100 ± 2.9
333.0	124 ± 6.7	144 ± 11.5	102 ± 13.2	109 ± 4.4	112 ± 2.3
1000.0	103 ± 7.0	123 ± 4.9	101 ± 8.3	120 ± 2.0	96 ± 8.4
3333.0	107 ± 2.5[p]	107 ± 4.1[p]	111 ± 9.0[p]	97 ± 6.9[p]	134 ± 6.3[p]
6666.0	116 ± 2.6[p]	109 ± 3.2[p]	141 ± 7.0[p]	131 ± 1.5[p]	124 ± 8.7[p]
10000.0	114 ± 5.4[p]	109 ± 4.6[p]	124 ± 12.4[p]	107 ± 2.4[p]	119 ± 12.1[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			363 ± 25.6	690 ± 18.0	874 ± 38.9
Positive Control[3]	343 ± 17.3	397 ± 20.2			

Experiment Number: **423117**

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

G06: Ames Summary Data

Test Compound: **2,3,4,5,6-Pentabromoethylbenzene**

CAS Number: **85-22-3**

Date Report Requested: **09/15/2018**

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	115 ± 2.9
333.0	102 ± 4.3
1000.0	91 ± 5.9
3333.0	95 ± 2.9[p]
6666.0	115 ± 1.5[p]
10000.0	111 ± 2.4[p]
Trial Summary	Negative
Positive Control[2]	792 ± 20.3
Positive Control[3]	

Experiment Number: **423117**

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

G06: Ames Summary Data

Test Compound: **2,3,4,5,6-Pentabromoethylbenzene**

CAS Number: **85-22-3**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:48:11**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	38 ± 7.6	17 ± 2.8	14 ± 1.9	7 ± 1.9	13 ± 2.6
333.0	29 ± 2.5	21 ± 0.7	9 ± 1.5	7 ± 2.1	14 ± 0.3
1000.0	30 ± 6.0	19 ± 3.0	9 ± 0.3	9 ± 1.9	7 ± 1.9
3333.0	24 ± 4.9[p]	12 ± 1.5[p]	6 ± 0.3[p]	7 ± 0.7[p]	10 ± 0.3[p]
6666.0	27 ± 1.2[p]	11 ± 3.2[p]	9 ± 0.7[p]	7 ± 1.2[p]	12 ± 2.3[p]
10000.0	23 ± 3.5[p]	7 ± 2.4[p]	10 ± 1.5[p]	9 ± 1.5[p]	9 ± 0.6[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]	351 ± 29.4	359 ± 15.0			
Positive Control[4]			209 ± 13.0	114 ± 14.3	307 ± 11.3

Experiment Number: **423117**

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

G06: Ames Summary Data

Test Compound: **2,3,4,5,6-Pentabromoethylbenzene**

CAS Number: **85-22-3**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:48:11**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	11 ± 1.0
333.0	11 ± 0.7
1000.0	10 ± 0.7
3333.0	8 ± 0.9[p]
6666.0	8 ± 0.9[p]
10000.0	11 ± 0.6[p]
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	213 ± 8.8

Experiment Number: **423117**

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

G06: Ames Summary Data

Test Compound: **2,3,4,5,6-Pentabromoethylbenzene**

CAS Number: **85-22-3**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:48:11**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	6 ± 1.2	4 ± 0.6	6 ± 0.3	6 ± 1.2	5 ± 0.9
333.0	5 ± 0.7	5 ± 0.6	9 ± 1.5	6 ± 1.7	6 ± 0.6
1000.0	5 ± 1.5	5 ± 0.6	10 ± 1.9	4 ± 1.2	7 ± 1.5
3333.0	5 ± 0.6[p]	5 ± 1.8[p]	5 ± 1.3[p]	5 ± 1.2[p]	6 ± 0.6[p]
6666.0	5 ± 2.3[p]	4 ± 0.3[p]	5 ± 1.9[p]	6 ± 1.3[p]	6 ± 1.2[p]
10000.0	7 ± 1.2[p]	2 ± 0.3[p]	10 ± 3.7[p]	6 ± 0.9[p]	7 ± 0.6[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			138 ± 12.7	234 ± 15.6	367 ± 29.4
Positive Control[5]	298 ± 120.8	78 ± 3.8			

Experiment Number: **423117**

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

G06: Ames Summary Data

Test Compound: **2,3,4,5,6-Pentabromoethylbenzene**

CAS Number: **85-22-3**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:48:11**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	9 ± 1.5
333.0	8 ± 1.8
1000.0	7 ± 0.9
3333.0	7 ± 2.5[p]
6666.0	7 ± 0.9[p]
10000.0	4 ± 1.2[p]
Trial Summary	Negative
Positive Control[4]	383 ± 15.5
Positive Control[5]	

Experiment Number: **423117**

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

G06: Ames Summary Data

Test Compound: **2,3,4,5,6-Pentabromoethylbenzene**

CAS Number: **85-22-3**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:48:11**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	19 ± 2.7	14 ± 2.1	33 ± 3.5	17 ± 1.3	24 ± 4.1
333.0	14 ± 3.2	12 ± 1.7	27 ± 0.9	15 ± 0.6	24 ± 3.8
1000.0	17 ± 1.5	11 ± 0.6	30 ± 3.4	20 ± 3.2	25 ± 2.9
3333.0	11 ± 1.9[p]	8 ± 1.3[p]	20 ± 0.6[p]	14 ± 1.8[p]	20 ± 2.5[p]
6666.0	13 ± 2.7[p]	12 ± 1.2[p]	19 ± 5.5[p]	12 ± 1.5[p]	24 ± 3.1[p]
10000.0	19 ± 1.2[p]	14 ± 1.2[p]	28 ± 4.8[p]	13 ± 2.2[p]	24 ± 2.3[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			342 ± 10.4	325 ± 23.3	754 ± 48.9
Positive Control[6]	496 ± 50.1	373 ± 15.6			

Experiment Number: **423117**

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

G06: Ames Summary Data

Test Compound: **2,3,4,5,6-Pentabromoethylbenzene**

CAS Number: **85-22-3**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:48:11**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	19 ± 0.9
333.0	22 ± 3.5
1000.0	20 ± 2.1
3333.0	19 ± 3.9[p]
6666.0	18 ± 3.5[p]
10000.0	16 ± 2.9[p]
Trial Summary	Negative
Positive Control[2]	383 ± 22.4
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 2-Aminoanthracene
3: 1.0 ug/Plate Sodium Azide
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 **