Experiment Number: **590003**

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

G06: Ames Summary Data

Test Compound: **1,4-Dichlorobenzene (p-dichlorobenzene)**

CAS Number: **106-46-7**

Date Report Requested: **09/14/2018**

Time Report Requested: **17:50:59**

NTP Study Number: 590003

Study Result: Negative

Experiment Number: **590003**

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

G06: Ames Summary Data

Test Compound: **1,4-Dichlorobenzene (p-dichlorobenzene)**

CAS Number: **106-46-7**

Date Report Requested: **09/14/2018**

Time Report Requested: **17:50:59**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	95 ± 3.6	134 ± 9.2	170 ± 10.0	171 ± 2.1	190 ± 7.2
1.0	104 ± 2.0	144 ± 8.8	153 ± 16.8	180 ± 13.5	170 ± 9.3
3.3	102 ± 3.1	153 ± 4.5	147 ± 11.6	179 ± 15.7	177 ± 1.5
10.0	114 ± 6.4	152 ± 5.0	125 ± 16.8	185 ± 31.1	174 ± 11.1
33.0	109 ± 0.6	145 ± 11.4	142 ± 9.1	172 ± 15.2	176 ± 8.7
100.0	61 ± 21.7	108 ± 9.0	177 ± 11.0	141 ± 18.7	159 ± 13.5
1000.0					
2000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			385 ± 30.2	510 ± 20.7	684 ± 33.2
Positive Control[3]	396 ± 50.4	507 ± 12.9			

Experiment Number: **590003**

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

G06: Ames Summary Data

Test Compound: **1,4-Dichlorobenzene (p-dichlorobenzene)**

CAS Number: **106-46-7**

Date Report Requested: **09/14/2018**

Time Report Requested: **17:50:59**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	212 ± 11.4
1.0	202 ± 7.9
3.3	196 ± 2.1
10.0	211 ± 8.5
33.0	189 ± 7.5
100.0	164 ± 8.6
1000.0	
2000.0	
Trial Summary	Negative
Positive Control[2]	867 ± 57.5
Positive Control[3]	

Experiment Number: **590003**

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

G06: Ames Summary Data

Test Compound: **1,4-Dichlorobenzene (p-dichlorobenzene)**

CAS Number: **106-46-7**

Date Report Requested: **09/14/2018**

Time Report Requested: **17:50:59**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 0.9	4 ± 1.8	9 ± 0.3	9 ± 1.9	6 ± 1.5
1.0	9 ± 2.3	4 ± 0.3	8 ± 1.0	10 ± 2.0	6 ± 0.7
3.3	8 ± 0.3	5 ± 0.9	10 ± 0.9	5 ± 1.0	8 ± 2.9
10.0	6 ± 1.2	4 ± 0.7	11 ± 1.7	6 ± 1.2	8 ± 2.6
33.0	10 ± 2.4	7 ± 1.5	10 ± 1.7	8 ± 1.8	6 ± 1.0
100.0	8 ± 1.2	4 ± 0.9	7 ± 1.5	5 ± 0.9	5 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			24 ± 3.5	33 ± 3.5	42 ± 6.0
Positive Control[3]	301 ± 2.8	507 ± 91.6			

Experiment Number: **590003**

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

G06: Ames Summary Data

Test Compound: **1,4-Dichlorobenzene (p-dichlorobenzene)**

CAS Number: **106-46-7**

Date Report Requested: **09/14/2018**

Time Report Requested: **17:50:59**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	9 ± 1.8	7 ± 1.5	13 ± 3.8	18 ± 0.9	11 ± 3.4
1.0	7 ± 1.2	4 ± 1.0	12 ± 1.2	16 ± 4.2	7 ± 1.3
3.3	8 ± 0.9	5 ± 0.3	13 ± 2.6	14 ± 0.0	8 ± 1.9
10.0	8 ± 0.3	5 ± 1.2	10 ± 1.0	16 ± 2.6	8 ± 2.0
33.0	9 ± 3.2	7 ± 0.6	10 ± 1.0	13 ± 2.3	6 ± 1.0
100.0	9 ± 0.7	7 ± 0.5	11 ± 0.6	17 ± 1.2	6 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			170 ± 31.7	271 ± 11.3	42 ± 4.9
Positive Control[4]	84 ± 26.6	108 ± 6.8			

Experiment Number: **590003**

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

G06: Ames Summary Data

Test Compound: **1,4-Dichlorobenzene (p-dichlorobenzene)**

CAS Number: **106-46-7**

Date Report Requested: **09/14/2018**

Time Report Requested: **17:50:59**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	13 ± 1.5	13 ± 2.0	15 ± 1.5	18 ± 1.7	18 ± 2.0
1.0	12 ± 1.2	8 ± 3.8	17 ± 2.9	20 ± 0.9	20 ± 2.0
3.3	14 ± 0.9	14 ± 0.9	18 ± 4.5	22 ± 0.0	14 ± 3.5
10.0	14 ± 2.3	12 ± 1.2	18 ± 2.1	20 ± 3.1	20 ± 2.0
33.0	11 ± 2.6	17 ± 3.1	19 ± 1.2	16 ± 4.0	20 ± 1.9
100.0	9 ± 1.7	11 ± 2.0	19 ± 2.4	17 ± 3.2	22 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			367 ± 64.4	266 ± 29.9	590 ± 43.5
Positive Control[5]	270 ± 5.7	368 ± 22.0			

Experiment Number: **590003**

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

G06: Ames Summary Data

Test Compound: **1,4-Dichlorobenzene (p-dichlorobenzene)**

CAS Number: **106-46-7**

Date Report Requested: **09/14/2018**

Time Report Requested: **17:50:59**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	20 ± 2.0
1.0	20 ± 1.9
3.3	21 ± 2.9
10.0	24 ± 0.9
33.0	22 ± 0.3
100.0	19 ± 2.5
Trial Summary	Negative
Positive Control[2]	541 ± 90.1
Positive Control[5]	

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: 3.3 ug/Plate Sodium Azide
4: 33.0 ug/Plate 9-Aminoacridine
5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **