Experiment Number: **724991**

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

G06: Ames Summary Data

Test Compound: **1,2,3,5-Tetrachlorobenzene**

CAS Number: **634-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:09:32**

NTP Study Number: 724991

Study Result: Negative

Experiment Number: **724991**

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

G06: Ames Summary Data

Test Compound: **1,2,3,5-Tetrachlorobenzene**

CAS Number: **634-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:09:32**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	92 ± 1.5	90 ± 4.1	113 ± 8.1	84 ± 3.8	98 ± 3.5
0.3	93 ± 1.2	86 ± 3.5	105 ± 13.9	97 ± 2.4	92 ± 8.7
1.0	102 ± 6.0	83 ± 1.5	91 ± 7.0	101 ± 13.9	80 ± 3.7
3.0	126 ± 11.4		98 ± 2.1		93 ± 4.9
3.3		87 ± 5.9		91 ± 9.1	
10.0	76 ± 0.6	88 ± 12.3	89 ± 8.2	89 ± 8.6	100 ± 8.6
20.0	Toxic	Toxic	87 ± 9.8	94 ± 6.4	89 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1825 ± 65.3
Positive Control[3]			1625 ± 138.1	795 ± 63.2	
Positive Control[4]	2201 ± 102.7	1106 ± 37.7			

Experiment Number: **724991**

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

G06: Ames Summary Data

Test Compound: **1,2,3,5-Tetrachlorobenzene**

CAS Number: **634-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:09:32**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	102 ± 10.8
0.3	94 ± 2.9
1.0	111 ± 6.6
3.0	
3.3	110 ± 12.1
10.0	113 ± 12.8
20.0	118 ± 0.3
Trial Summary	Negative
Positive Control[2]	999 ± 102.3
Positive Control[3]	
Positive Control[4]	

Experiment Number: **724991**

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

G06: Ames Summary Data

Test Compound: **1,2,3,5-Tetrachlorobenzene**

CAS Number: **634-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:09:32**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	22 ± 0.6	22 ± 2.0	6 ± 1.5	9 ± 3.2	9 ± 1.8
0.3	22 ± 3.1	17 ± 0.7	10 ± 2.3	12 ± 2.1	9 ± 1.9
1.0	23 ± 1.5	13 ± 1.0	6 ± 1.2	9 ± 0.9	9 ± 1.8
3.0	21 ± 1.5		10 ± 1.5		6 ± 1.2
3.3		15 ± 1.0		9 ± 2.1	
10.0	20 ± 5.4	15 ± 1.9	10 ± 2.6	9 ± 1.2	8 ± 1.5
20.0	Toxic	Toxic	7 ± 1.5	9 ± 0.3	7 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					126 ± 21.2
Positive Control[3]			76 ± 7.8	58 ± 10.3	
Positive Control[4]	1508 ± 56.4	731 ± 18.2			

Experiment Number: **724991**

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

G06: Ames Summary Data

Test Compound: **1,2,3,5-Tetrachlorobenzene**

CAS Number: **634-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:09:32**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	8 ± 1.8
0.3	8 ± 0.9
1.0	12 ± 2.6
3.0	
3.3	11 ± 1.8
10.0	8 ± 0.7
20.0	10 ± 3.2
Trial Summary	Negative
Positive Control[2]	88 ± 6.2
Positive Control[3]	
Positive Control[4]	

Experiment Number: **724991**

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

G06: Ames Summary Data

Test Compound: **1,2,3,5-Tetrachlorobenzene**

CAS Number: **634-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:09:32**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.2	7 ± 2.0	9 ± 1.5	8 ± 2.0	12 ± 0.7
0.3	13 ± 0.7	7 ± 1.5	9 ± 2.1	8 ± 1.9	11 ± 0.9
1.0	8 ± 2.9	3 ± 0.9	12 ± 1.5	8 ± 0.7	13 ± 1.8
3.0	11 ± 1.0		15 ± 0.7		9 ± 1.2
3.3		6 ± 1.5		7 ± 1.5	
10.0	10 ± 1.0	5 ± 0.9	11 ± 3.2	7 ± 3.1	11 ± 1.0
20.0	Toxic	Toxic	12 ± 1.5	6 ± 1.5	10 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					158 ± 2.8
Positive Control[3]			82 ± 7.8	49 ± 6.1	
Positive Control[5]	175 ± 52.8	675 ± 126.9			

Experiment Number: **724991**

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

G06: Ames Summary Data

Test Compound: **1,2,3,5-Tetrachlorobenzene**

CAS Number: **634-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:09:32**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 2.3
0.3	9 ± 2.0
1.0	10 ± 1.9
3.0	
3.3	9 ± 1.0
10.0	8 ± 1.5
20.0	6 ± 1.2
Trial Summary	Negative
Positive Control[2]	80 ± 9.5
Positive Control[3]	
Positive Control[5]	

Experiment Number: **724991**

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

G06: Ames Summary Data

Test Compound: **1,2,3,5-Tetrachlorobenzene**

CAS Number: **634-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:09:32**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	16 ± 3.5	17 ± 4.9	26 ± 2.9	26 ± 0.6	30 ± 5.2
0.3	20 ± 2.7	19 ± 1.2	21 ± 0.9	31 ± 1.9	33 ± 4.1
1.0	18 ± 2.2	20 ± 3.2	26 ± 4.4	28 ± 0.9	25 ± 3.2
3.0	15 ± 1.3		24 ± 0.7		28 ± 0.9
3.3		20 ± 1.9		26 ± 2.5	
10.0	14 ± 1.9	19 ± 2.5	28 ± 1.5	23 ± 1.5	25 ± 5.3
20.0	Toxic	Toxic	27 ± 1.3	20 ± 1.2	25 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1236 ± 64.8
Positive Control[3]			1156 ± 119.1	627 ± 60.3	
Positive Control[6]	1882 ± 75.7	1802 ± 43.2			

Experiment Number: **724991**

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

G06: Ames Summary Data

Test Compound: **1,2,3,5-Tetrachlorobenzene**

CAS Number: **634-90-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **19:09:32**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	28 ± 1.2
0.3	29 ± 0.6
1.0	26 ± 4.1
3.0	
3.3	33 ± 1.5
10.0	30 ± 6.8
20.0	28 ± 1.7
Trial Summary	Negative
Positive Control[2]	1122 ± 27.4
Positive Control[3]	
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: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **