Experiment Number: **748282**

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

G06: Ames Summary Data

Test Compound: **Tetrachlorodiphenylethane**

CAS Number: **72-54-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:30:00**

NTP Study Number: 748282

Study Result: Negative

Experiment Number: **748282**

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

G06: Ames Summary Data

Test Compound: **Tetrachlorodiphenylethane**

CAS Number: **72-54-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:30:00**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	117 ± 5.0	112 ± 5.7	116 ± 8.8	161 ± 18.3	168 ± 7.0
0.33		117 ± 7.9	121 ± 6.9		
1.0	121 ± 11.1	117 ± 16.0	116 ± 20.1	181 ± 5.6	194 ± 9.3
3.3	117 ± 2.2	119 ± 6.7	119 ± 9.7	172 ± 7.9	160 ± 10.1
10.0	77 ± 6.7	93 ± 18.8	82 ± 12.3	201 ± 11.5	177 ± 8.1
33.0	Toxic	Toxic	Toxic	187 ± 7.4	174 ± 7.4
100.0	Toxic			153 ± 10.5	145 ± 14.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]				1351 ± 41.7	1023 ± 47.3
Positive Control[3]	478 ± 24.4	1399 ± 133.4	1338 ± 32.5		

Experiment Number: **748282**

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

G06: Ames Summary Data

Test Compound: **Tetrachlorodiphenylethane**

CAS Number: **72-54-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:30:00**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	175 ± 2.3	180 ± 7.5
0.33		
1.0	152 ± 4.1	157 ± 7.9
3.3	136 ± 6.8	140 ± 3.5
10.0	135 ± 3.2	139 ± 6.7
33.0	160 ± 5.0	165 ± 9.3
100.0	185 ± 7.2	184 ± 8.6
Trial Summary	Negative	Negative
Positive Control[2]	1776 ± 53.0	1119 ± 79.9
Positive Control[3]		

Experiment Number: **748282**

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

G06: Ames Summary Data

Test Compound: **Tetrachlorodiphenylethane**

CAS Number: **72-54-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:30:00**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	6 ± 0.9	10 ± 1.2	15 ± 1.2	17 ± 2.4	20 ± 3.5
0.1		7 ± 1.2	11 ± 1.5		
0.33		7 ± 0.7	11 ± 1.0		16 ± 2.1
1.0	5 ± 1.2	9 ± 0.0	14 ± 2.0	17 ± 1.5	20 ± 1.0
3.3	9 ± 1.3	13 ± 1.2	18 ± 1.5	19 ± 0.6	21 ± 3.4
10.0	Toxic	Toxic	17 ± 2.2	19 ± 0.3	19 ± 3.3
33.0	Toxic			8 ± 0.9	10 ± 2.1
100.0	Toxic			Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]				273 ± 16.4	176 ± 30.5
Positive Control[3]	366 ± 5.2	735 ± 18.1	1099 ± 59.2		

Experiment Number: **748282**

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

G06: Ames Summary Data

Test Compound: **Tetrachlorodiphenylethane**

CAS Number: **72-54-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:30:00**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	10 ± 1.9	18 ± 2.0
0.1		
0.33		16 ± 1.5
1.0	17 ± 2.7	23 ± 4.0
3.3	13 ± 1.2	17 ± 1.9
10.0	8 ± 0.9	15 ± 4.8
33.0	9 ± 1.2	16 ± 1.0
100.0	Toxic	
Trial Summary	Negative	Negative
Positive Control[4]	316 ± 11.0	170 ± 33.7
Positive Control[3]		

Experiment Number: **748282**

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

G06: Ames Summary Data

Test Compound: **Tetrachlorodiphenylethane**

CAS Number: **72-54-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:30:00**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	5 ± 1.2	12 ± 1.8	10 ± 1.9	12 ± 6.0	12 ± 1.3
0.033		10 ± 0.3	8 ± 0.9		
0.1		10 ± 0.6	8 ± 1.5		
0.33		8 ± 0.3	7 ± 1.2		
1.0	5 ± 1.2	13 ± 3.6	10 ± 1.8	5 ± 1.3	6 ± 2.4
3.3	2 ± 0.9	6 ± 1.9	4 ± 1.5	9 ± 1.5	10 ± 2.4
10.0	Toxic			7 ± 1.2	9 ± 5.4
33.0	Toxic			11 ± 1.8	11 ± 2.3
100.0	Toxic			12 ± 2.0	12 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]				127 ± 20.5	222 ± 54.4
Positive Control[5]	169 ± 55.1	214 ± 41.3	141 ± 16.6		

Experiment Number: **748282**

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

G06: Ames Summary Data

Test Compound: **Tetrachlorodiphenylethane**

CAS Number: **72-54-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:30:00**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.0	15 ± 1.8
0.033		
0.1		
0.33		
1.0	5 ± 1.2	9 ± 1.7
3.3	9 ± 1.5	18 ± 3.2
10.0	6 ± 0.9	11 ± 1.3
33.0	6 ± 1.5	11 ± 2.3
100.0	11 ± 1.5	15 ± 1.7
Trial Summary	Negative	Negative
Positive Control[4]	158 ± 10.0	300 ± 19.9
Positive Control[5]		

Experiment Number: **748282**

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

G06: Ames Summary Data

Test Compound: **Tetrachlorodiphenylethane**

CAS Number: **72-54-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:30:00**

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 ± 1.2	20 ± 3.8	28 ± 8.2	25 ± 1.8	18 ± 1.3
1.0	12 ± 1.0	15 ± 2.5	27 ± 0.7	17 ± 1.5	29 ± 3.2
3.3	18 ± 0.7	18 ± 1.5	30 ± 3.0	28 ± 4.4	22 ± 2.4
10.0	4 ± 0.9	17 ± 2.5	28 ± 0.6	22 ± 3.5	23 ± 0.7
33.0	6 ± 0.3	10 ± 3.0	28 ± 3.0	17 ± 2.8	29 ± 4.7
100.0	7 ± 0.7	9 ± 1.8	30 ± 2.2	28 ± 4.2	29 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			1083 ± 15.0	833 ± 82.5	1359 ± 33.0
Positive Control[6]	150 ± 22.3	660 ± 99.0			

Experiment Number: **748282**

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

G06: Ames Summary Data

Test Compound: **Tetrachlorodiphenylethane**

CAS Number: **72-54-8**

Date Report Requested: **09/17/2018**

Time Report Requested: **10:30:00**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	20 ± 2.2
1.0	26 ± 3.1
3.3	24 ± 2.2
10.0	21 ± 1.2
33.0	23 ± 2.8
100.0	27 ± 3.4
Trial Summary	Negative
Positive Control[2]	983 ± 122.4
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: 3.3 ug/Plate Sodium Azide
4: 2.0 ug/Plate 2-Aminoanthracene
5: 33.0 ug/Plate 9-Aminoacridine
6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **