Experiment Number: **623995**

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

G06: Ames Summary Data

Test Compound: **p-Chlorotoluene**

CAS Number: **106-43-4**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:40:34**

NTP Study Number: 623995

Study Result: Negative

Experiment Number: **623995**

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

G06: Ames Summary Data

Test Compound: **p-Chlorotoluene**

CAS Number: **106-43-4**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:40:34**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	81 ± 4.1	85 ± 1.8	99 ± 4.9	105 ± 9.0	92 ± 4.4
3.3	95 ± 5.8	92 ± 6.7	98 ± 6.5		91 ± 1.2
10.0	97 ± 4.8	83 ± 2.8	91 ± 5.2	101 ± 8.8	100 ± 8.5
33.0	92 ± 5.7	78 ± 1.5	81 ± 4.5	99 ± 5.5	94 ± 1.3
100.0	94 ± 5.5	87 ± 6.7	78 ± 6.8	94 ± 0.9	86 ± 1.5
150.0		71 ± 7.5[s]			
200.0	36 ± 18.5[s]				
333.0			47 ± 9.2[s]	88 ± 4.3[s]	70 ± 9.7[s]
1000.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					419 ± 18.6
Positive Control[3]	328 ± 28.9	367 ± 5.5			
Positive Control[4]			315 ± 9.7		
Positive Control[5]					
Positive Control[6]				827 ± 13.7	

Experiment Number: **623995**

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

G06: Ames Summary Data

Test Compound: **p-Chlorotoluene**

CAS Number: **106-43-4**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:40:34**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	99 ± 12.3
3.3	
10.0	101 ± 3.2
33.0	107 ± 4.6
100.0	111 ± 6.9
150.0	
200.0	
333.0	101 ± 5.5[s]
1000.0	Toxic
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	465 ± 9.8
Positive Control[6]	

Experiment Number: **623995**

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

G06: Ames Summary Data

Test Compound: **p-Chlorotoluene**

CAS Number: **106-43-4**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:40:34**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	11 ± 3.5	22 ± 1.2	12 ± 2.0	17 ± 3.2	9 ± 1.5
3.3	17 ± 1.9	22 ± 2.3	9 ± 1.9		13 ± 2.3
10.0	19 ± 2.5	22 ± 3.5	12 ± 2.6	15 ± 3.5	10 ± 0.9
33.0	21 ± 1.5	19 ± 2.2	11 ± 2.0	10 ± 1.3	8 ± 2.6
100.0	13 ± 0.0	13 ± 0.9[s]	10 ± 1.7	13 ± 1.9	11 ± 1.9
150.0	12 ± 1.5[s]	7 ± 0.7[s]			
333.0			4 ± 2.1[s]	7 ± 1.7[s]	3 ± 0.7[s]
666.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					119 ± 5.8
Positive Control[3]	238 ± 12.3	261 ± 21.7			
Positive Control[5]					
Positive Control[6]			113 ± 9.4	144 ± 11.5	

Experiment Number: **623995**

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

G06: Ames Summary Data

Test Compound: **p-Chlorotoluene**

CAS Number: **106-43-4**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:40:34**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	12 ± 2.7
3.3	
10.0	12 ± 2.0
33.0	13 ± 2.9
100.0	12 ± 0.3
150.0	
333.0	7 ± 1.5[s]
666.0	5 ± 1.0[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	75 ± 5.7
Positive Control[6]	

Experiment Number: **623995**

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

G06: Ames Summary Data

Test Compound: **p-Chlorotoluene**

CAS Number: **106-43-4**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:40:34**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	8 ± 2.3	8 ± 1.7	9 ± 1.2
3.3	5 ± 1.7		
10.0	7 ± 1.9	10 ± 0.7	10 ± 0.7
33.0	6 ± 1.5	11 ± 0.7	9 ± 2.2
100.0	6 ± 1.7	9 ± 2.0	8 ± 2.2
150.0	6 ± 2.1[s]		
333.0		8 ± 1.5[s]	3 ± 0.3[s]
666.0		Toxic	5 ± 2.5[s]
Trial Summary	Negative	Negative	Negative
Positive Control[7]		83 ± 8.8	123 ± 8.4
Positive Control[8]	41 ± 4.7		

Experiment Number: **623995**

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

G06: Ames Summary Data

Test Compound: **p-Chlorotoluene**

CAS Number: **106-43-4**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:40:34**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	103 ± 6.8	86 ± 4.2	107 ± 2.6	136 ± 5.5	115 ± 2.1
3.3	87 ± 7.6	85 ± 3.5	128 ± 3.8		116 ± 4.2
10.0	85 ± 6.1	89 ± 3.0	118 ± 3.7	150 ± 4.9	113 ± 7.5
33.0	93 ± 3.1	88 ± 5.5	97 ± 7.1	137 ± 12.7	116 ± 7.8
100.0	67 ± 6.8[s]	65 ± 9.1[s]	84 ± 4.7[s]	124 ± 8.7	84 ± 11.1[s]
150.0	52 ± 1.7[s]	46 ± 5.7[s]			
333.0			77 ± 3.8[s]	56 ± 16.5[s]	84 ± 2.0[s]
666.0				54 ± 26.5[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					619 ± 21.4
Positive Control[6]			959 ± 17.9		
Positive Control[7]				482 ± 25.9	
Positive Control[9]	235 ± 18.8	212 ± 46.2			

Experiment Number: **623995**

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

G06: Ames Summary Data

Test Compound: **p-Chlorotoluene**

CAS Number: **106-43-4**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:40:34**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	164 ± 8.7
3.3	
10.0	139 ± 2.7
33.0	122 ± 8.5
100.0	100 ± 2.8
150.0	
333.0	71 ± 7.2[s]
666.0	Toxic
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	
Positive Control[7]	499 ± 39.6
Positive Control[9]	

Experiment Number: **623995**

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

G06: Ames Summary Data

Test Compound: **p-Chlorotoluene**

CAS Number: **106-43-4**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:40:34**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	16 ± 5.3	17 ± 2.1	27 ± 1.3	29 ± 4.9	31 ± 6.7
3.3	18 ± 3.0	14 ± 3.9	28 ± 1.7		27 ± 1.9
10.0	19 ± 3.2	17 ± 0.3	25 ± 4.7	32 ± 1.3	28 ± 2.9
33.0	20 ± 2.3	19 ± 2.3	22 ± 3.8	34 ± 1.8	27 ± 3.0
100.0	18 ± 2.3	19 ± 2.6	23 ± 2.3	33 ± 3.8	23 ± 2.3
150.0		12 ± 2.4[s]			
200.0	11 ± 4.8[s]				
333.0			19 ± 1.3[s]	26 ± 4.0[s]	16 ± 2.9[s]
1000.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[10]					198 ± 2.0
Positive Control[2]			137 ± 2.8		
Positive Control[5]				307 ± 22.3	
Positive Control[11]	226 ± 9.7	192 ± 13.2			

Experiment Number: **623995**

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

G06: Ames Summary Data

Test Compound: **p-Chlorotoluene**

CAS Number: **106-43-4**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:40:34**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	33 ± 2.9
3.3	
10.0	27 ± 3.2
33.0	31 ± 1.9
100.0	35 ± 4.7
150.0	
200.0	
333.0	32 ± 1.5[s]
1000.0	12 ± 7.0[s]
Trial Summary	Negative
Positive Control[10]	
Positive Control[2]	98 ± 1.0
Positive Control[5]	
Positive Control[11]	

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: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 2.0 ug/Plate 2-Aminoanthracene
7: 2.5 ug/Plate 2-Aminoanthracene
8: 4.0 ug/Plate 9-Aminoacridine
9: 8.0 ug/Plate 9-Aminoacridine
10: 0.2 ug/Plate 2-Aminoanthracene
11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **