Experiment Number: **010375**

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

G06: Ames Summary Data

Test Compound: **2,4,6-Trichloronitrobenzene**

CAS Number: **18708-70-8**

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

Time Report Requested: **06:14:43**

NTP Study Number: 010375

Study Result: Negative

Experiment Number: **010375**

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

G06: Ames Summary Data

Test Compound: **2,4,6-Trichloronitrobenzene**

CAS Number: **18708-70-8**

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

Time Report Requested: **06:14:43**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	94 ± 4.4	87 ± 6.3	86 ± 4.1	96 ± 3.3	94 ± 0.6
0.3	90 ± 3.8	87 ± 2.2			
1.0	89 ± 2.9	77 ± 0.9		108 ± 7.8	
3.3	93 ± 4.0	73 ± 3.3	89 ± 4.5	99 ± 10.1	84 ± 8.1
10.0	94 ± 6.0	82 ± 6.1	87 ± 10.4	107 ± 4.2	84 ± 5.5
20.0	88 ± 3.4				
33.0		67 ± 2.0[s]	91 ± 3.5	106 ± 7.3	77 ± 1.9
66.0				123 ± 5.5	
100.0			83 ± 8.3[s]		65 ± 6.3[s]
333.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1283 ± 47.0
Positive Control[3]	401 ± 23.8	295 ± 3.8			
Positive Control[4]			504 ± 8.5		
Positive Control[5]					
Positive Control[6]				514 ± 15.6	

Experiment Number: **010375**

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

G06: Ames Summary Data

Test Compound: **2,4,6-Trichloronitrobenzene**

CAS Number: **18708-70-8**

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

Time Report Requested: **06:14:43**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	100 ± 3.0
0.3	
1.0	103 ± 1.5
3.3	100 ± 8.1
10.0	105 ± 3.2
20.0	
33.0	100 ± 1.2
66.0	89 ± 3.7
100.0	
333.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	1630 ± 44.2
Positive Control[6]	

Experiment Number: **010375**

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

G06: Ames Summary Data

Test Compound: **2,4,6-Trichloronitrobenzene**

CAS Number: **18708-70-8**

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

Time Report Requested: **06:14:43**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	27 ± 4.0	19 ± 5.0	8 ± 1.5	13 ± 0.3	8 ± 0.6
0.3	29 ± 3.8	21 ± 3.5			
1.0	24 ± 1.2	20 ± 0.9		13 ± 3.1	
3.3	29 ± 1.2	23 ± 2.6	12 ± 2.0	11 ± 0.0	11 ± 1.8
10.0	29 ± 4.2	17 ± 2.3	10 ± 0.7	15 ± 3.1	8 ± 0.9
33.0	27 ± 1.5	15 ± 3.5[s]	11 ± 1.5	10 ± 1.7	10 ± 1.8
100.0			6 ± 1.2[s]	10 ± 2.6	3 ± 0.6[s]
333.0			1 ± 0.9[s]		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					74 ± 7.1
Positive Control[3]	377 ± 7.4	208 ± 11.3			
Positive Control[5]					
Positive Control[6]			143 ± 12.9	176 ± 1.2	

Experiment Number: **010375**

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

G06: Ames Summary Data

Test Compound: **2,4,6-Trichloronitrobenzene**

CAS Number: **18708-70-8**

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

Time Report Requested: **06:14:43**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	14 ± 3.0
0.3	
1.0	13 ± 2.4
3.3	10 ± 1.7
10.0	11 ± 2.6
33.0	10 ± 0.7
100.0	9 ± 1.5
333.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	118 ± 2.7
Positive Control[6]	

Experiment Number: **010375**

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

G06: Ames Summary Data

Test Compound: **2,4,6-Trichloronitrobenzene**

CAS Number: **18708-70-8**

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

Time Report Requested: **06:14:43**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	6 ± 2.2	10 ± 2.1	6 ± 1.5
0.3	10 ± 2.0		
1.0	3 ± 0.3	9 ± 1.2	6 ± 0.3
3.3	11 ± 1.7	12 ± 2.3	5 ± 0.6
10.0	9 ± 1.2	14 ± 0.9	7 ± 1.3
33.0	5 ± 1.0[s]	9 ± 1.9	10 ± 2.0
100.0		10 ± 1.5	7 ± 1.7
Trial Summary	Negative	Negative	Negative
Positive Control[7]		73 ± 6.9	164 ± 5.8
Positive Control[8]	23 ± 0.6		

Experiment Number: **010375**

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

G06: Ames Summary Data

Test Compound: **2,4,6-Trichloronitrobenzene**

CAS Number: **18708-70-8**

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

Time Report Requested: **06:14:43**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	105 ± 3.8	74 ± 5.0	136 ± 1.7	168 ± 5.2	123 ± 12.5
0.3	107 ± 6.2	90 ± 5.2			
1.0	116 ± 9.6	80 ± 5.7		173 ± 14.0	
3.3	112 ± 8.5	86 ± 1.5	113 ± 5.4	164 ± 1.7	119 ± 7.3
10.0	118 ± 1.2	75 ± 2.5	120 ± 2.4	176 ± 9.0	117 ± 5.6
33.0	62 ± 2.7[s]	63 ± 0.3[s]	123 ± 1.7	190 ± 7.2	103 ± 3.2
100.0			73 ± 0.7[s]	167 ± 14.5	65 ± 2.5[s]
333.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					880 ± 21.4
Positive Control[6]			1265 ± 28.4		
Positive Control[7]				520 ± 10.7	
Positive Control[9]	233 ± 11.0	208 ± 5.3			

Experiment Number: **010375**

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

G06: Ames Summary Data

Test Compound: **2,4,6-Trichloronitrobenzene**

CAS Number: **18708-70-8**

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

Time Report Requested: **06:14:43**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	115 ± 2.7
0.3	
1.0	116 ± 3.4
3.3	125 ± 1.2
10.0	112 ± 10.4
33.0	117 ± 7.2
100.0	117 ± 10.0
333.0	
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	
Positive Control[7]	915 ± 2.2
Positive Control[9]	

Experiment Number: **010375**

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

G06: Ames Summary Data

Test Compound: **2,4,6-Trichloronitrobenzene**

CAS Number: **18708-70-8**

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

Time Report Requested: **06:14:43**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	14 ± 2.0	10 ± 0.3	18 ± 2.4	27 ± 3.1	22 ± 2.0
0.3	12 ± 2.1	12 ± 1.5			
1.0	16 ± 1.5	15 ± 1.3		29 ± 2.0	
3.3	19 ± 1.5	13 ± 1.7	22 ± 2.9	33 ± 1.8	25 ± 2.9
10.0	13 ± 1.9	14 ± 1.2	29 ± 1.2	25 ± 1.9	31 ± 2.5
20.0	19 ± 2.9				
33.0		13 ± 2.5[s]	27 ± 2.4	25 ± 5.0	21 ± 1.2
66.0				22 ± 2.9	
100.0			25 ± 2.9		21 ± 2.7
333.0			16 ± 0.0[s]		6 ± 2.9[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[10]					243 ± 15.0
Positive Control[2]			223 ± 7.2		
Positive Control[11]	127 ± 3.2	173 ± 13.3			
Positive Control[5]				113 ± 7.4	

Experiment Number: **010375**

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

G06: Ames Summary Data

Test Compound: **2,4,6-Trichloronitrobenzene**

CAS Number: **18708-70-8**

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

Time Report Requested: **06:14:43**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	28 ± 3.2
0.3	
1.0	34 ± 2.8
3.3	39 ± 0.9
10.0	32 ± 2.9
20.0	
33.0	38 ± 3.1
66.0	35 ± 1.2
100.0	
333.0	
Trial Summary	Negative
Positive Control[10]	
Positive Control[2]	541 ± 28.4
Positive Control[11]	
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: 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 **