Experiment Number: **593795**

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

G06: Ames Summary Data

Test Compound: **4-Chloro-3,5-dinitro-a,a,a-trifluorotoluene**

CAS Number: **393-75-9**

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

Time Report Requested: **18:21:34**

NTP Study Number: 593795

Study Result: Negative

Experiment Number: **593795**

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

G06: Ames Summary Data

Test Compound: **4-Chloro-3,5-dinitro-a,a,a-trifluorotoluene**

CAS Number: **393-75-9**

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

Time Report Requested: **18:21:34**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	100 ± 7.0	110 ± 15.9	93 ± 3.8	102 ± 6.1	93 ± 5.5
0.3		111 ± 2.1			
1.0	98 ± 6.6	118 ± 2.6	94 ± 3.2		113 ± 1.5
3.3	95 ± 3.1	118 ± 5.7	114 ± 5.0	96 ± 9.7	107 ± 3.8
10.0	111 ± 1.9	135 ± 7.2	123 ± 7.8	116 ± 16.2	105 ± 10.2
33.3	95 ± 4.7[s]	54 ± 17.9[s]	120 ± 3.3	123 ± 15.5	119 ± 3.8
100.0	Toxic		122 ± 6.2	126 ± 0.0	135 ± 0.3
333.3				Toxic	
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control[2]			508 ± 25.7	878 ± 34.5	1469 ± 135.5
Positive Control[3]	471 ± 3.3	412 ± 15.1			

Experiment Number: **593795**

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

G06: Ames Summary Data

Test Compound: **4-Chloro-3,5-dinitro-a,a,a-trifluorotoluene**

CAS Number: **393-75-9**

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

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	91 ± 6.0
0.3	
1.0	
3.3	85 ± 4.1
10.0	84 ± 0.0
33.3	83 ± 3.7
100.0	84 ± 6.4
333.3	97 ± 2.4
Trial Summary	Negative
Positive Control[2]	1492 ± 34.2
Positive Control[3]	

Experiment Number: **593795**

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

G06: Ames Summary Data

Test Compound: **4-Chloro-3,5-dinitro-a,a,a-trifluorotoluene**

CAS Number: **393-75-9**

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

Time Report Requested: **18:21:34**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	14 ± 0.3	16 ± 2.3	17 ± 0.9	18 ± 3.8	12 ± 3.8
0.3		30 ± 4.8			
1.0	15 ± 1.8	25 ± 3.7	12 ± 2.0		15 ± 3.3
3.3	16 ± 0.7	24 ± 4.2	13 ± 0.3	12 ± 3.5	11 ± 0.7
10.0	19 ± 3.6	22 ± 3.8	13 ± 2.6	18 ± 0.9	10 ± 1.2
33.3	12 ± 3.0[s]	6 ± 6.0[s]	14 ± 1.2	10 ± 3.1	12 ± 2.0
100.0	Toxic		13 ± 2.3	18 ± 1.8	10 ± 1.3
333.3				2 ± 0.9[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]	361 ± 11.3	331 ± 21.5			
Positive Control[4]			366 ± 7.2	376 ± 20.0	284 ± 30.5

Experiment Number: **593795**

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

G06: Ames Summary Data

Test Compound: **4-Chloro-3,5-dinitro-a,a,a-trifluorotoluene**

CAS Number: **393-75-9**

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

Time Report Requested: **18:21:34**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	9 ± 2.7
0.3	
1.0	
3.3	9 ± 1.9
10.0	12 ± 1.5
33.3	7 ± 1.7
100.0	11 ± 0.9
333.3	Toxic
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	440 ± 31.9

Experiment Number: **593795**

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

G06: Ames Summary Data

Test Compound: **4-Chloro-3,5-dinitro-a,a,a-trifluorotoluene**

CAS Number: **393-75-9**

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

Time Report Requested: **18:21:34**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	8 ± 0.7	10 ± 2.4	14 ± 2.3	14 ± 5.0	19 ± 3.2
0.3		12 ± 2.6			
1.0	7 ± 0.9	10 ± 2.2	15 ± 0.6		20 ± 2.0
3.3	7 ± 1.0	9 ± 3.7	8 ± 0.7	13 ± 3.5	16 ± 1.0
10.0	7 ± 1.2	9 ± 1.9	13 ± 2.6	9 ± 0.3	24 ± 2.3
33.3	3 ± 1.8[s]	3 ± 1.8[s]	11 ± 1.5	12 ± 3.7	15 ± 1.5
100.0	Toxic		12 ± 2.0	17 ± 4.0	23 ± 1.5
333.3				3 ± 1.5[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			345 ± 6.9	418 ± 19.9	555 ± 30.1
Positive Control[5]	87 ± 18.2	134 ± 25.4			

Experiment Number: **593795**

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

G06: Ames Summary Data

Test Compound: **4-Chloro-3,5-dinitro-a,a,a-trifluorotoluene**

CAS Number: **393-75-9**

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

Time Report Requested: **18:21:34**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	11 ± 2.0
0.3	
1.0	
3.3	10 ± 2.7
10.0	8 ± 2.0
33.3	14 ± 0.9
100.0	12 ± 3.0
333.3	Toxic
Trial Summary	Negative
Positive Control[4]	497 ± 17.4
Positive Control[5]	

Experiment Number: **593795**

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

G06: Ames Summary Data

Test Compound: **4-Chloro-3,5-dinitro-a,a,a-trifluorotoluene**

CAS Number: **393-75-9**

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

Time Report Requested: **18:21:34**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	22 ± 3.8	16 ± 0.3	23 ± 2.1	49 ± 2.4	35 ± 4.3
0.3		22 ± 4.2			
1.0	20 ± 3.8	16 ± 0.9	29 ± 1.2		34 ± 1.8
3.3	32 ± 3.8	29 ± 5.2	24 ± 4.6	36 ± 6.8	31 ± 3.2
10.0	26 ± 2.7	40 ± 2.1	26 ± 4.0	37 ± 8.6	32 ± 2.6
33.3	20 ± 2.9	35 ± 7.2	39 ± 1.2	51 ± 6.7	41 ± 4.7
100.0	Toxic		39 ± 0.9	53 ± 5.2	49 ± 4.6
333.3				19 ± 2.9[s]	
Trial Summary	Negative	Equivocal	Equivocal	Negative	Negative
Positive Control[2]			259 ± 7.0	435 ± 4.9	1177 ± 183.9
Positive Control[6]	855 ± 43.6	777 ± 28.8			

Experiment Number: **593795**

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

G06: Ames Summary Data

Test Compound: **4-Chloro-3,5-dinitro-a,a,a-trifluorotoluene**

CAS Number: **393-75-9**

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

Time Report Requested: **18:21:34**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	35 ± 3.8
0.3	
1.0	
3.3	30 ± 1.0
10.0	30 ± 3.8
33.3	32 ± 6.8
100.0	38 ± 1.5
333.3	7 ± 4.3[s]
Trial Summary	Negative
Positive Control[2]	1537 ± 9.3
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: 1.0 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate Sodium Azide
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **