Experiment Number: **460994**

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

G06: Ames Summary Data

Test Compound: **Tribromomethane**

CAS Number: **75-25-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:44:54**

NTP Study Number: 460994

Study Result: Positive

Experiment Number: **460994**

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

G06: Ames Summary Data

Test Compound: **Tribromomethane**

CAS Number: **75-25-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:44:54**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]		122 ± 5.8	145 ± 1.7	155 ± 9.1	
Vehicle Control[2]	110 ± 11.6				160 ± 18.4
0.001		103 ± 8.4			
0.005		112 ± 10.1	179 ± 9.8	168 ± 11.1	
0.007					
0.01		120 ± 4.7	177 ± 8.7	165 ± 10.7	
0.02			192 ± 14.2	196 ± 2.0	
0.025		112 ± 18.1	195 ± 4.7	171 ± 0.5	
0.035					
0.05		111 ± 6.7			
0.1					
0.5					
1.0					
1.5					
100.0	117 ± 4.4				164 ± 3.4
333.0	121 ± 5.0				142 ± 4.2
1000.0	114 ± 11.5				137 ± 6.4
3333.0	Toxic				104 ± 3.0
6666.0	Toxic				
10000.0					51 ± 16.5[s]
Trial Summary	Negative	Negative	Equivocal	Equivocal	Negative
Positive Control[3]					
Positive Control[4]		430 ± 28.6			
Positive Control[5]			567 ± 4.2	406 ± 14.1	
Positive Control[6]	447 ± 13.6				
Positive Control[7]					
Positive Control[8]					
Positive Control[9]					614 ± 6.6

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Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9
Vehicle Control[1]	154 ± 7.2	154 ± 13.6	177 ± 7.5	183 ± 4.0	137 ± 7.3
Vehicle Control[2]					
0.001		133 ± 8.4			
0.005		167 ± 11.2	143 ± 11.6	177 ± 6.2	172 ± 9.1
0.007			116 ± 26.6		
0.01	210 ± 7.8	177 ± 16.7	178 ± 8.6	192 ± 14.5	195 ± 2.6
0.02				221 ± 5.5	193 ± 3.2
0.025		202 ± 8.7	119 ± 17.5	188 ± 3.5	194 ± 18.3
0.035			125 ± 25.8		
0.05	32 ± 4.6	137 ± 4.6			
0.1	12 ± 1.9[s]				
0.5	Toxic				
1.0	Toxic				
1.5					
100.0					
333.0					
1000.0					
3333.0					
6666.0					
10000.0					
Trial Summary	Equivocal	Equivocal	Negative	Equivocal	Weakly Positive
Positive Control[3]					1446 ± 67.6
Positive Control[4]					
Positive Control[5]					
Positive Control[6]					
Positive Control[7]					
Positive Control[8]	661 ± 17.5	1566 ± 36.5	328 ± 8.1	465 ± 2.0	
Positive Control[9]					

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	140 ± 14.5		160 ± 9.9	132 ± 2.6	176 ± 15.1
Vehicle Control[2]		167 ± 18.9			
0.001				140 ± 11.1	
0.005	176 ± 4.5			141 ± 4.7	146 ± 4.0
0.007					111 ± 11.3
0.01	161 ± 7.3		193 ± 19.2	156 ± 6.7	148 ± 15.0
0.02	222 ± 2.0				
0.025	190 ± 3.3			201 ± 3.5	103 ± 4.3
0.035					76 ± 6.1
0.05			50 ± 7.8	126 ± 8.5	
0.1			51 ± 4.7[s]		
0.5			Toxic		
1.0			Toxic		
1.5					
100.0		193 ± 3.8			
333.0		167 ± 16.8			
1000.0		160 ± 5.5			
3333.0		134 ± 10.7			
6666.0					
10000.0		99 ± 4.9[s]			
Trial Summary	Equivocal	Negative	Negative	Equivocal	Negative
Positive Control[3]	773 ± 11.9				
Positive Control[4]					
Positive Control[5]			521 ± 17.9	710 ± 6.6	654 ± 32.4
Positive Control[6]					
Positive Control[7]		638 ± 54.0			
Positive Control[8]					
Positive Control[9]					

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Date Report Requested: **09/11/2018**

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	167 ± 3.1
Vehicle Control[2]	
0.001	
0.005	199 ± 15.1
0.007	
0.01	196 ± 19.3
0.02	215 ± 3.5
0.025	199 ± 5.5
0.035	
0.05	
0.1	
0.5	
1.0	
1.5	
100.0	
333.0	
1000.0	
3333.0	
6666.0	
10000.0	
Trial Summary	Equivocal
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	670 ± 7.0
Positive Control[6]	
Positive Control[7]	
Positive Control[8]	
Positive Control[9]	

Experiment Number: **460994**

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

G06: Ames Summary Data

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Strain: TA1538

Dose (mL/Chamber)	Without S9	With 5% Rat S9	With 5% Hamster S9
Vehicle Control[1]	19 ± 1.7	28 ± 2.0	29 ± 1.0
0.005	20 ± 1.2	26 ± 5.5	32 ± 3.2
0.01	22 ± 3.0	28 ± 3.2	29 ± 3.8
0.025	16 ± 1.8	27 ± 1.8	36 ± 7.4
0.05	18 ± 3.2	26 ± 2.9	25 ± 6.5
Trial Summary	Negative	Negative	Negative
Positive Control[5]		431 ± 40.6	1278 ± 42.1
Positive Control[10]	708 ± 85.0		

Experiment Number: **460994**

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

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Test Compound: **Tribromomethane**

CAS Number: **75-25-2**

Date Report Requested: **09/11/2018**

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	Without S9	Without S9
Vehicle Control[1]		15 ± 1.0	18 ± 0.6	20 ± 1.5	15 ± 1.7
Vehicle Control[2]	14 ± 1.5				
0.001			21 ± 2.3		
0.005			28 ± 1.2	22 ± 0.7	31 ± 1.7
0.007				18 ± 0.9	
0.01		33 ± 3.5	39 ± 3.1	34 ± 3.6	47 ± 1.5
0.025			43 ± 0.3	15 ± 1.2	66 ± 4.3
0.035				33 ± 3.5	
0.05		45 ± 4.7	52 ± 1.7		67 ± 2.0
0.1		14 ± 6.5			
0.5		Toxic			
1.0		Toxic			
1.5					
100.0	15 ± 1.2				
333.0	17 ± 0.6				
1000.0	15 ± 1.0				
3333.0	Toxic				
6666.0	Toxic				
10000.0					
Trial Summary	Negative	Weakly Positive	Positive	Negative	Positive
Positive Control[3]					
Positive Control[5]					
Positive Control[7]					
Positive Control[10]		399 ± 12.7	425 ± 18.5	389 ± 9.9	359 ± 24.8
Positive Control[11]	461 ± 22.1				

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Strain: TA98

Dose (ug/Plate)	With 5% Rat S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	29 ± 5.1	34 ± 0.9	31 ± 2.5		19 ± 1.3
Vehicle Control[2]				50 ± 3.2	
0.001					
0.005	30 ± 4.9	44 ± 3.0	43 ± 4.8		
0.007					
0.01	50 ± 5.0	54 ± 5.9	48 ± 1.9		46 ± 3.8
0.025	57 ± 3.5	74 ± 3.7	56 ± 1.9		
0.035					
0.05	43 ± 0.7	80 ± 15.0	43 ± 8.2		44 ± 4.6
0.1					40 ± 7.8
0.5					Toxic
1.0					Toxic
1.5					
100.0				22 ± 3.9	
333.0				17 ± 2.0	
1000.0				19 ± 1.3	
3333.0				22 ± 2.5	
6666.0					
10000.0				9 ± 4.7[s]	
Trial Summary	Weakly Positive	Positive	Equivocal	Negative	Equivocal
Positive Control[3]					
Positive Control[5]	501 ± 28.8	384 ± 18.4	302 ± 14.7		105 ± 5.3
Positive Control[7]				118 ± 3.5	
Positive Control[10]					
Positive Control[11]					

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Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 5% Hamster S9
Vehicle Control[1]	10 ± 2.4	29 ± 4.5	13 ± 2.5	32 ± 4.3	28 ± 1.5
Vehicle Control[2]					
0.001	24 ± 2.5				
0.005	24 ± 1.8	39 ± 2.6	17 ± 1.5	42 ± 2.8	43 ± 3.3
0.007		26 ± 2.3			
0.01	37 ± 5.5	54 ± 1.8	30 ± 3.9	38 ± 3.8	54 ± 4.8
0.025	37 ± 3.0	32 ± 8.0	43 ± 3.5	54 ± 6.7	75 ± 4.5
0.035		25 ± 3.7			
0.05	27 ± 1.0		45 ± 2.0	67 ± 3.8	88 ± 5.5
0.1					
0.5					
1.0					
1.5					
100.0					
333.0					
1000.0					
3333.0					
6666.0					
10000.0					
Trial Summary	Positive	Equivocal	Weakly Positive	Positive	Positive
Positive Control[3]				1171 ± 127.3	
Positive Control[5]	294 ± 16.6	86 ± 4.8	216 ± 17.8		1112 ± 86.1
Positive Control[7]					
Positive Control[10]					
Positive Control[11]					

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	34 ± 3.7		18 ± 1.2	24 ± 2.7	22 ± 2.2
Vehicle Control[2]		30 ± 3.8			
0.001				28 ± 2.0	
0.005	44 ± 2.2			23 ± 2.8	23 ± 0.9
0.007					26 ± 8.8
0.01	38 ± 1.2		46 ± 1.9	53 ± 3.4	33 ± 4.2
0.025	57 ± 7.5			85 ± 9.2	27 ± 1.2
0.035					36 ± 4.0
0.05	48 ± 7.4		56 ± 6.5	30 ± 1.5	
0.1			36 ± 3.0		
0.5			Toxic		
1.0			Toxic		
1.5					
100.0		30 ± 3.4			
333.0		29 ± 3.7			
1000.0		29 ± 5.6			
3333.0		29 ± 2.3			
6666.0					
10000.0		29 ± 2.0[s]			
Trial Summary	Negative	Negative	Positive	Positive	Negative
Positive Control[3]	894 ± 48.8				
Positive Control[5]			245 ± 32.6	537 ± 11.5	370 ± 13.6
Positive Control[7]		303 ± 22.0			
Positive Control[10]					
Positive Control[11]					

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Test Compound: **Tribromomethane**

CAS Number: **75-25-2**

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	31 ± 1.9
Vehicle Control[2]	
0.001	
0.005	32 ± 2.9
0.007	
0.01	42 ± 4.2
0.025	55 ± 6.1
0.035	
0.05	59 ± 4.7
0.1	
0.5	
1.0	
1.5	
100.0	
333.0	
1000.0	
3333.0	
6666.0	
10000.0	
Trial Summary	Weakly Positive
Positive Control[3]	
Positive Control[5]	673 ± 45.8
Positive Control[7]	
Positive Control[10]	
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: 4-Nitro-o-Phenylenediamine
2: Vehicle Control: Dimethyl Sulfoxide
3: 0.5 mL/Chamber 2-Aminoanthracene
4: 1.0 mL/Chamber Sodium Azide
5: 1.0 mL/Chamber 2-Aminoanthracene
6: 1.0 ug/Plate Sodium Azide
7: 1.0 ug/Plate 2-Aminoanthracene
8: 2.5 mL/Chamber 2-Aminoanthracene
9: 2.5 ug/Plate 2-Aminoanthracene
10: 2.5 mL/Chamber 4-Nitro-O-Phenylenediamine
11: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **