Experiment Number: **055416**

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

G06: Ames Summary Data

Test Compound: **tris(1,3-Dichloro-2-propyl) phosphate**

CAS Number: **13674-87-8**

Date Report Requested: **09/15/2018**

Time Report Requested: **02:58:53**

NTP Study Number: 055416

Study Result: Positive

Experiment Number: **055416**

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

G06: Ames Summary Data

Test Compound: **tris(1,3-Dichloro-2-propyl) phosphate**

CAS Number: **13674-87-8**

Date Report Requested: **09/15/2018**

Time Report Requested: **02:58:53**

Strain: TA100

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	101 ± 6.7	122 ± 10.3	112 ± 7.5	88 ± 7.2	87 ± 0.5
33.0					
100.0	97 ± 2.7		131 ± 14.1		
333.0	97 ± 4.6	181 ± 8.4	141 ± 9.8	125 ± 9.2	141 ± 22.2
666.0					
1000.0	87 ± 7.4	193 ± 2.1	151 ± 7.5	133 ± 21.5	168 ± 9.8
3333.0	86 ± 3.2	174 ± 10.7	186 ± 1.5	155 ± 10.8	166 ± 11.8
6666.0		197 ± 7.0		176 ± 17.2	173 ± 3.5
10000.0	85 ± 5.6	181 ± 0.7	186 ± 15.6	161 ± 8.4	186 ± 6.4
Trial Summary	Negative	Equivocal	Weakly Positive	Positive	Weakly Positive
Positive Control[2]					
Positive Control[3]		630 ± 55.1	557 ± 13.7	421 ± 27.9	477 ± 13.3
Positive Control[4]	600 ± 29.4				
Positive Control[5]					

Experiment Number: **055416**

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

G06: Ames Summary Data

Test Compound: **tris(1,3-Dichloro-2-propyl) phosphate**

CAS Number: **13674-87-8**

Date Report Requested: **09/15/2018**

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Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	111 ± 2.8	110 ± 9.0	115 ± 4.1	90 ± 5.8	99 ± 8.7
33.0					89 ± 0.9
100.0				160 ± 13.5	109 ± 11.1
333.0	154 ± 5.7	162 ± 10.0	140 ± 11.2	338 ± 29.7	230 ± 21.8
666.0					424 ± 20.5
1000.0	197 ± 14.0	212 ± 13.5	175 ± 13.7	651 ± 83.1	572 ± 24.7
3333.0	200 ± 4.0	224 ± 15.2	158 ± 2.8	615 ± 35.8	
6666.0	196 ± 9.4	213 ± 12.0	173 ± 3.0		
10000.0	197 ± 6.8	209 ± 22.3	180 ± 13.5	586 ± 15.9	
Trial Summary	Positive	Positive	Equivocal	Positive	Positive
Positive Control[2]				800 ± 35.7	674 ± 45.2
Positive Control[3]	479 ± 5.8		245 ± 12.2		
Positive Control[4]					
Positive Control[5]		231 ± 9.5			

Experiment Number: **055416**

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

G06: Ames Summary Data

Test Compound: **tris(1,3-Dichloro-2-propyl) phosphate**

CAS Number: **13674-87-8**

Date Report Requested: **09/15/2018**

Time Report Requested: **02:58:53**

Strain: TA1535

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	14 ± 1.7	8 ± 1.2	13 ± 0.3	6 ± 1.2	10 ± 1.8
33.0					
100.0	12 ± 2.6		11 ± 1.0		
166.0					
333.0	9 ± 0.7	18 ± 3.1	18 ± 1.3	12 ± 1.2	23 ± 2.3
1000.0	14 ± 1.8	18 ± 2.3	21 ± 4.5	16 ± 2.0	16 ± 1.7
3333.0	14 ± 2.3	19 ± 1.2	26 ± 2.7	16 ± 3.8	18 ± 3.4
6666.0		18 ± 2.0		18 ± 3.2	21 ± 6.6
10000.0	15 ± 1.5	19 ± 3.2	20 ± 2.0	19 ± 1.5	21 ± 3.1
Trial Summary	Negative	Equivocal	Equivocal	Equivocal	Equivocal
Positive Control[3]					
Positive Control[4]	603 ± 7.2				
Positive Control[5]		191 ± 21.4	203 ± 4.4	137 ± 9.5	141 ± 17.6

Experiment Number: **055416**

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

G06: Ames Summary Data

Test Compound: **tris(1,3-Dichloro-2-propyl) phosphate**

CAS Number: **13674-87-8**

Date Report Requested: **09/15/2018**

Time Report Requested: **02:58:53**

Strain: TA1535

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	12 ± 1.0	7 ± 1.0	9 ± 1.2
33.0			12 ± 3.7
100.0		21 ± 4.6	13 ± 2.0
166.0			22 ± 1.9
333.0	25 ± 2.5	82 ± 9.5	39 ± 6.7
1000.0	30 ± 2.1	144 ± 10.8	181 ± 10.0
3333.0	34 ± 1.2	97 ± 8.3	
6666.0	33 ± 6.8		
10000.0	36 ± 2.3	122 ± 12.1	
Trial Summary	Positive	Positive	Positive
Positive Control[3]		360 ± 27.2	205 ± 58.1
Positive Control[4]			
Positive Control[5]	97 ± 10.5		

Experiment Number: **055416**

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

G06: Ames Summary Data

Test Compound: **tris(1,3-Dichloro-2-propyl) phosphate**

CAS Number: **13674-87-8**

Date Report Requested: **09/15/2018**

Time Report Requested: **02:58:53**

Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	106 ± 2.5	151 ± 6.9	139 ± 2.6	140 ± 6.7	135 ± 4.7
33.0				144 ± 5.2	
100.0	133 ± 2.9	183 ± 4.4	175 ± 9.2	134 ± 12.2	158 ± 8.7
333.0	116 ± 7.4	202 ± 2.0	218 ± 14.6	154 ± 16.0	208 ± 5.0
666.0					268 ± 19.7
1000.0	113 ± 8.5	169 ± 2.9	267 ± 5.6	213 ± 32.4	284 ± 11.9
1666.0				245 ± 51.7	261 ± 19.1
3333.0	108 ± 9.2	149 ± 14.2	212 ± 11.5		
10000.0	110 ± 1.0	152 ± 4.8	172 ± 38.1		
Trial Summary	Negative	Equivocal	Positive	Weakly Positive	Positive
Positive Control[2]			620 ± 20.3	352 ± 3.0	469 ± 13.3
Positive Control[3]		402 ± 14.8			
Positive Control[6]	1077 ± 41.9				

Experiment Number: **055416**

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

G06: Ames Summary Data

Test Compound: **tris(1,3-Dichloro-2-propyl) phosphate**

CAS Number: **13674-87-8**

Date Report Requested: **09/15/2018**

Time Report Requested: **02:58:53**

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 4.1	26 ± 3.1	24 ± 2.0
100.0	24 ± 0.3	22 ± 3.5	22 ± 2.3
333.0	17 ± 0.7	28 ± 0.7	28 ± 4.6
1000.0	17 ± 2.3	22 ± 1.3	32 ± 2.2
3333.0	15 ± 0.7	25 ± 5.5	27 ± 3.8
10000.0	19 ± 2.4	18 ± 2.6	30 ± 10.3
Trial Summary	Negative	Negative	Negative
Positive Control[2]			693 ± 32.0
Positive Control[3]		377 ± 23.6	
Positive Control[7]	665 ± 9.8		

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: 0.5 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate 2-Aminoanthracene
4: 1.0 ug/Plate Sodium Azide
5: 2.5 ug/Plate 2-Aminoanthracene
6: 50.0 ug/Plate 9-Aminoacridine
7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **