NTP Study Number: 121030

Study Result: Negative

Experiment Number: **121030**

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

G06: Ames Summary Data

Test Compound: **Vinylidene Chloride**

CAS Number: **75-35-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:51:32**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	99 ± 10.3	81 ± 7.5	91 ± 3.2	92 ± 3.8	107 ± 3.0
33.3			95 ± 7.3		
100.0	90 ± 8.6	85 ± 5.0	91 ± 5.5	106 ± 7.0	98 ± 4.4
333.3	87 ± 6.1	80 ± 11.8	97 ± 7.4	115 ± 7.9	86 ± 10.6
1000.0	87 ± 4.0	63 ± 3.8	106 ± 2.2	100 ± 11.5	105 ± 10.1
3333.3	81 ± 5.5	79 ± 2.6[s]	82 ± 4.0	87 ± 2.0[s]	84 ± 2.5[s]
6666.7	89 ± 4.0	78 ± 3.0[s]		71 ± 4.7[s]	81 ± 1.5[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]				604 ± 39.5	826 ± 35.9
Positive Control[3]	130 ± 30.2	376 ± 17.8	500 ± 10.5		

Experiment Number: **121030**

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

G06: Ames Summary Data

Test Compound: **Vinylidene Chloride**

CAS Number: **75-35-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:51:32**

Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	88 ± 7.0	96 ± 9.9	93 ± 6.0
33.3	97 ± 6.7		97 ± 7.4
100.0	97 ± 6.3	92 ± 6.1	98 ± 6.6
333.3	104 ± 3.5	94 ± 9.3	104 ± 6.9
1000.0	120 ± 8.9	112 ± 5.3	103 ± 9.5
3333.3	110 ± 4.0	85 ± 5.6[s]	51 ± 11.5[s]
6666.7		41 ± 20.7[s]	
Trial Summary	Negative	Negative	Negative
Positive Control[2]	1066 ± 12.2	1238 ± 90.7	290 ± 21.3
Positive Control[3]			

Experiment Number: **121030**

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

G06: Ames Summary Data

Test Compound: **Vinylidene Chloride**

CAS Number: **75-35-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:51:32**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	17 ± 2.0	18 ± 3.5	8 ± 0.6	6 ± 1.3	11 ± 2.6
33.3			10 ± 1.9		
100.0	18 ± 0.6	17 ± 0.9	7 ± 0.6	7 ± 1.2	7 ± 2.3
333.3	19 ± 4.0	14 ± 3.0	6 ± 1.0	10 ± 1.9	5 ± 0.0
1000.0	20 ± 6.1	15 ± 1.2	8 ± 2.5	12 ± 1.5	11 ± 2.4
3333.3	20 ± 0.3	18 ± 1.2[s]	9 ± 0.0	7 ± 1.2[s]	8 ± 0.9[s]
6666.7	19 ± 3.1	19 ± 2.6[s]		8 ± 2.3[s]	6 ± 1.7[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]	19 ± 0.9	300 ± 20.8	337 ± 22.5		
Positive Control[4]				389 ± 11.4	355 ± 11.3

Experiment Number: **121030**

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

G06: Ames Summary Data

Test Compound: **Vinylidene Chloride**

CAS Number: **75-35-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:51:32**

Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	5 ± 2.0	10 ± 0.3	9 ± 0.6	12 ± 3.1
33.3	6 ± 0.3			8 ± 0.3
100.0	8 ± 1.2	14 ± 0.3	13 ± 2.8	7 ± 1.7
333.3	10 ± 3.0	10 ± 2.7	11 ± 2.0	7 ± 0.7
1000.0	9 ± 2.0	16 ± 1.2	17 ± 1.5	6 ± 1.7
3333.3	5 ± 0.9	22 ± 1.7	5 ± 0.3[s]	4 ± 1.7[s]
6666.7		23 ± 2.3	8 ± 2.5[s]	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control[3]				
Positive Control[4]	387 ± 26.3	374 ± 16.0	326 ± 21.3	186 ± 12.9

Experiment Number: **121030**

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

G06: Ames Summary Data

Test Compound: **Vinylidene Chloride**

CAS Number: **75-35-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:51:32**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	7 ± 1.0	6 ± 1.2	6 ± 0.3	14 ± 1.2	15 ± 0.3
33.3			7 ± 0.9		
100.0	6 ± 0.9	8 ± 0.6	5 ± 0.9	10 ± 1.2	13 ± 2.2
333.3	9 ± 0.9	8 ± 1.3	4 ± 0.9	6 ± 1.3	13 ± 0.9
1000.0	9 ± 0.9	5 ± 2.2	4 ± 0.9	9 ± 0.9	11 ± 2.3
3333.3	9 ± 1.0	5 ± 0.6[s]	5 ± 1.7	11 ± 0.9[s]	13 ± 5.8[s]
6666.7	6 ± 0.9	6 ± 1.2[s]		10 ± 2.5[s]	8 ± 0.7[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]				365 ± 19.7	297 ± 29.2
Positive Control[5]	227 ± 43.8	245 ± 42.5	258 ± 17.3		

Experiment Number: **121030**

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

G06: Ames Summary Data

Test Compound: **Vinylidene Chloride**

CAS Number: **75-35-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:51:32**

Strain: TA1537

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	6 ± 0.7	16 ± 2.2	10 ± 1.7	5 ± 0.7
33.3	12 ± 2.0			8 ± 1.3
100.0	5 ± 1.9	19 ± 3.2	18 ± 2.8	9 ± 1.5
333.3	6 ± 1.2	15 ± 0.9	19 ± 3.3	5 ± 0.6
1000.0	6 ± 1.5	18 ± 0.9	15 ± 0.3	7 ± 3.5
3333.3	5 ± 0.6	20 ± 2.3	14 ± 3.9[s]	4 ± 0.3[s]
6666.7		14 ± 3.8	5 ± 2.3[s]	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control[4]	461 ± 16.3	556 ± 24.3	487 ± 34.8	362 ± 20.4
Positive Control[5]				

Experiment Number: **121030**

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

G06: Ames Summary Data

Test Compound: **Vinylidene Chloride**

CAS Number: **75-35-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:51:32**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	17 ± 2.4	19 ± 1.2	14 ± 2.5	27 ± 3.5	41 ± 1.7
33.3			8 ± 2.3		
100.0	15 ± 2.2	21 ± 3.7	15 ± 3.8	25 ± 2.3	36 ± 2.0
333.3	17 ± 3.7	22 ± 7.2	13 ± 0.3	22 ± 2.7	35 ± 5.7
1000.0	21 ± 2.3	15 ± 1.8	17 ± 2.1	23 ± 4.2	37 ± 5.4
3333.3	23 ± 4.1	12 ± 1.2	16 ± 5.8	20 ± 2.3[s]	26 ± 2.6[s]
6666.7	13 ± 2.6	15 ± 5.0[s]		20 ± 5.4[s]	23 ± 3.3[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]				428 ± 24.2	542 ± 12.7
Positive Control[6]	645 ± 7.4	655 ± 69.8	693 ± 39.0		

Experiment Number: **121030**

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

G06: Ames Summary Data

Test Compound: **Vinylidene Chloride**

CAS Number: **75-35-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **01:51:32**

Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	22 ± 3.1	25 ± 0.9	29 ± 2.3	22 ± 2.2
33.3	28 ± 5.1			20 ± 2.3
100.0	31 ± 6.1	24 ± 3.2	28 ± 5.9	20 ± 1.9
333.3	25 ± 3.8	28 ± 1.7	33 ± 3.3	20 ± 2.4
1000.0	24 ± 3.1	35 ± 5.6	36 ± 2.2	22 ± 2.0
3333.3	19 ± 1.3	37 ± 2.9	28 ± 1.2[s]	10 ± 5.0[s]
6666.7		44 ± 4.4	12 ± 3.8[s]	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control[2]	787 ± 53.4	1292 ± 27.6	198 ± 10.1	199 ± 7.8
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 **